

# Brown / 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 - Observational lifecycle

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

Elsa Compiler / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

The source unit declares its Bangel grammar, dependencies and effects, and its exact bytes are available.

## BOUNDED TRANSFORMATION

Parse source, resolve names and modules, check types, units and effects, then lower accepted syntax to the declared JP representation. Preserve source spans and precise diagnostics on refusal.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-JP-REPRESENTATION-BROWN | Source-backed documentary sequence — execution not rerun

JP Representation / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A representation declares its own protocol, canonical bytes, source lineage, types and bounded effects.

## BOUNDED TRANSFORMATION

Independently check the closed envelope, canonical digest, types, cross-field relationships and resource limits. Keep JP-IR/1, JP-CIR and proposed architecture profiles separate.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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-CONTR>

ACT-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 - Observational lifecycle

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

Joanna Processing / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

Independent admission accepted the exact JP representation and execution has a declared input binding and resource budget.

## BOUNDED TRANSFORMATION

Execute bounded Joanna operations while preserving typed unknowns, stage evidence and runtime-limit failures.

## RESULT AND RECONCILIATION

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.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-JO-PROOF-BROWN | Source-backed documentary sequence — execution not rerun

JO Proof and Verification / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A historical JO obligation names the type, formula, evidence or bounded execution assertion being reviewed.

## BOUNDED TRANSFORMATION

Compare evidence with that precise assertion and retain its source-profile meaning. Link runtime lineage to Joanna without equating every historical JO proof role with current execution.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1/N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-MJ-GOVERNING-ROOT-BROWN | Source-backed documentary sequence — execution not rerun

MJ Governing Root / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A requested effect has a declared purpose, reviewed evidence and an applicable implemented admission profile.

## BOUNDED TRANSFORMATION

Reconcile participant results and resource bounds at the MJ boundary. Preserve refusals and missing prerequisites; umbrella metadata does not implement a root kernel, CAPO bus or lease ledger.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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-CONTR>

ACT-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 - Observational lifecycle

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

Bangel Robotics / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A robotics measurement declares quantity, units, coordinate frame, acquisition context and source profile.

## BOUNDED TRANSFORMATION

Express bounded measurement logic in Bangel; Elsa compiles, JP admission checks the representation and Joanna provides computation evidence. Distinguish observed state, simulation and planned hardware bindings.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-TEAL-ROBOTICS-BROWN | Source-backed documentary sequence — execution not rerun

Teal Robotics / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A simulation or shadow-control proposal matches the preserved minority-risk profile and required gate evidence is available.

## BOUNDED TRANSFORMATION

Apply the preserved Bangel risk source and near-miss templates through Elsa, independent JP admission and Joanna. Keep source hashes, thresholds and independent vetoes explicit.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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](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 - Observational lifecycle

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

Bangel Native SDK / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A C# host supplies Bangel source and explicitly selects a managed compiler or separate reference-process client.

## BOUNDED TRANSFORMATION

Use the syntax, semantics, Elsa compiler, admission, Joanna runtime and numerics boundaries; bind results to the actual package and source revision.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Bangel API / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A client selects a supported API operation and provides its required source or representation fields.

## BOUNDED TRANSFORMATION

Validate the closed request schema, retain exact compiler/runtime protocol identities and return the relevant source-bound result. Host access and transport policy remain separate.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# MJPS Thermodynamics - Observational lifecycle

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

MJPS Thermodynamics / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A thermoelectric reference program declares its 0.1 domain grammar and bounded module, observation and demand inputs.

## BOUNDED TRANSFORMATION

Apply the profile's steady thermoelectric calculations and proposal logic, preserving unknown temperatures, calibration evidence and its separate IR/receipt contract.

## RESULT AND RECONCILIATION

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.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-MJMRI-BROWN | Source-backed documentary sequence — execution not rerun

MJmri MRI Imaging / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A non-clinical imaging research case declares its source artifacts, units, profile and intended bounded calculation.

## BOUNDED TRANSFORMATION

Preserve MRI measurement and DICOM interoperability obligations. Treat domain forms as research contracts until Elsa integration, representation generation and Joanna processing are demonstrated.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-MJMRI-OPTICAL-BROWN | Source-backed documentary sequence — execution not rerun

MJMRI Optical Research / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An optical frame has a source identity and is explicitly classified as camera evidence.

## BOUNDED TRANSFORMATION

Retain original pixels, label transformations and distinguish inferred surface geometry, synthetic anatomy priors and genuine MR evidence. Abstain beyond the input's evidence class.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Cubix / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A spatial cell declares its source frame, pixel bounds, grid index and parent resolution.

## BOUNDED TRANSFORMATION

Bind cell/node points to the same source root, validate bounds and preserve multiresolution lineage without extending observation below validated resolution.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# MJ Memory Kernel Adapters - Observational lifecycle

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

MJ Memory Kernel Adapters / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A memory operation addresses an explicit namespace, frame, generation and allowed lifecycle transition.

## BOUNDED TRANSFORMATION

Apply Bangel transition/access rules through Elsa, independent JP admission and Joanna; bind stored evidence to checkpoints, retain prior generations and assess updates using held-out evidence.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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](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](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 - Observational lifecycle

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

MJ Football Playbook / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A recall query supplies the original frame, an eligible playbook selection and available command-history context.

## BOUNDED TRANSFORMATION

Compare bounded episodic candidates and project source-backed geometry, preserving entity/relationship/context conflicts, curves and observation chronology.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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](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](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 - Observational lifecycle

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

MJ EGO REV / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An energy-model request declares source classes, units, uncertainty, tolerances and current transition mode.

## BOUNDED TRANSFORMATION

Follow indexed Bangel energy-ledger and transition rules, preserve missing quantities and append source-bound receipts. Native/Bangel equivalence requires separate evidence.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1/N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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](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](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](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](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 - Observational lifecycle

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

MJos Quantum Security / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A research protection event has a declared source, relevant entropy-health evidence and explicit integrity signals.

## BOUNDED TRANSFORMATION

Keep entropy health, risk policy, key lifecycle and receipts as distinct indexed components. Separate simulated input, validated external bits and hardware claims.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1/N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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](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](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](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](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](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 - Observational lifecycle

MJPE-COMplete-20260925-MIKA-PHYSICS-BROWN | Source-backed documentary sequence — execution not rerun

Mika / MK Physics / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A JP representation identifies quantities, units, control volume, scale and available measurement evidence.

## BOUNDED TRANSFORMATION

Classify applicable physics, check dimensional compatibility and conservation boundaries, and carry uncertainty into the representation. Keep not-applicable distinct from a passed physical test.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# Angels Safety - Observational lifecycle

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

Angels Safety / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A command or state change falls within an Angel's declared domain and required telemetry is available.

## BOUNDED TRANSFORMATION

Evaluate domain-specific observation and corrective rules; preserve independent hold/denial decisions and evidence for proposed correction.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# Bellatrix Defense - Observational lifecycle

MJPE-COMplete-20260925-BELLATRIX-BROWN | Source-backed documentary sequence — execution not rerun

Bellatrix Defense / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An intake, custody or execution boundary requires a defense challenge with known scope and evidence identity.

## BOUNDED TRANSFORMATION

Inspect integrity, schema, replay and scope evidence using the applicable contract; preserve independent challenge and quarantine outcomes without changing evidence truth.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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-BA>

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-SISTER-BROWN | Source-backed documentary sequence — execution not rerun

Sister Prediction and Containment / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A monitored profile declares its primary Sister, failure strategy, observations and reserve/containment scope.

## BOUNDED TRANSFORMATION

Model demand and anomalies, preserve predictive/simulation classes and propose buffers under the named profile. Keep pending GIN amendment implementation status explicit.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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-BANGEL-IDENTITY-EDITION.md#L402>

## SOURCE REFERENCES

[Recovered nonwhite collection, page 1308](#)

[specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402](#)

# EVE Variance and Egress - Observational lifecycle

MJPE-COMplete-20260925-EVE-BROWN | Source-backed documentary sequence — execution not rerun

EVE Variance and Egress / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A profile declares its boundary and which intake, capture, leakage or egress quantities are actually observable.

## BOUNDED TRANSFORMATION

Account for variance and residuals with units and uncertainty; preserve unmeasured loss as unknown instead of silently closing the balance.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# Mary / M3 Routing - Observational lifecycle

MJPE-COMplete-20260925-MARY-M3-BROWN | Source-backed documentary sequence — execution not rerun

Mary / M3 Routing / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An admitted request has an applicable MJ lease and source-backed target capacity.

## BOUNDED TRANSFORMATION

Route the request and account for use, pooling and returns within the lease; mediate peer handoffs through the applicable admission boundary.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# Mermaid Reconciliation - Observational lifecycle

MJPE-COMplete-20260925-MERMAID-BROWN | Source-backed documentary sequence — execution not rerun

Mermaid Reconciliation / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A custody/accounting event supplies origin, acquisition record, account scope and required profile evidence.

## BOUNDED TRANSFORMATION

Preserve balances, custody lineage and reconciliation history; assess financial implications only within Mermaid's own boundary without redefining measurement mathematics.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Shiva Capital Models / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A capital-model request declares purpose, liquidity constraints, account evidence and internal scope.

## BOUNDED TRANSFORMATION

Separate stability, investment and risk classifications; preserve reconciliation and independent reviews, treating distributions as model outputs.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# Shekina Continuity - Observational lifecycle

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

Shekina Continuity / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

Distributed placement, replication, continuity, and infrastructure evidence.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

Placement declares artifact versions, scope, resource bounds and continuity requirements.

## BOUNDED TRANSFORMATION

Model bounded placement, replication and failover with source/target receipts. Preserve tenant boundaries and distinguish plans from observed recovery.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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-BA>

## 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 - Observational lifecycle

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

Belle Engineering / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A design request supplies architecture, physics evidence and measurable feasibility criteria.

## BOUNDED TRANSFORMATION

Review topology, assumptions and alternatives against the constraints; bind proposals to evidence and leave unsupported dimensions unresolved.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Aviator Workspace / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An organizational request identifies workspace, role, project and intended record operation.

## BOUNDED TRANSFORMATION

Preserve decisions, knowledge references and role boundaries. Present evidence without turning measurements into ranking, punishment or financial permission.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-CHI-BROWN | Source-backed documentary sequence — execution not rerun

CHI Temporal Variance / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A comparison identifies expected, observed, delivered and reconciled states under a named CHI profile.

## BOUNDED TRANSFORMATION

Preserve clocks, missing states and source-specific difference semantics; keep CHI distinct from GIN until an explicit verified mapping exists.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-WATER-BROWN | Source-backed documentary sequence — execution not rerun

WATER Uncertainty / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An uncertainty classification supplies intervals, verified floors and evidence limits under the WATER family profile.

## BOUNDED TRANSFORMATION

Apply interval and unknown-state rules with their source bounds; distinguish this family from Hagar control and the water-protection application.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-JP-SEMICONDUCTOR-PHONE-BROWN | Source-backed documentary sequence — execution not rerun

JP Semiconductor Phone / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A phone-scale design declares scale, intake, battery and wake/reserve assumptions.

## BOUNDED TRANSFORMATION

Represent static intake and solar-assist relationships; check units and reserve accounting without importing large-scale parameters.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

JP Marine Power / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A marine proposal names vessel context, intake, storage, power bus and containment assumptions.

## BOUNDED TRANSFORMATION

Model relationships within the marine profile, keeping classification, environment, loads and absent physical measurements unresolved.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# JP Peaceful Propulsion - Observational lifecycle

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

JP Peaceful Propulsion / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A peaceful propulsion research request declares purpose, measurement boundary and unresolved safety gates.

## BOUNDED TRANSFORMATION

Document bounded measurement/control requirements and independent safety evidence while retaining planned-only status.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# Shiva Dual Rails - Observational lifecycle

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

Shiva Dual Rails / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An internal scenario separates stability and investment purposes with applicable account evidence.

## BOUNDED TRANSFORMATION

Keep liquidity-first constraints, risk models and rail accounting distinct; preserve exposure and reconciliation per source.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-SHIVAS-INTERNAL-BROWN | Source-backed documentary sequence — execution not rerun

SHIVAS Internal Reflection / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An internal reflection names its source capital model and nontransferable boundary.

## BOUNDED TRANSFORMATION

Record the reference and reconciliation history without minting an external asset, redemption promise or guaranteed value.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Shiva Exchange Reference / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An exchange-rule simulation declares fixtures, price-time rules and custody/audit assumptions.

## BOUNDED TRANSFORMATION

Model the stated rule while preserving chronological order, custody references and unresolved authority obligations.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-ELSA-MARKETPLACE-BROWN | Source-backed documentary sequence — execution not rerun

Elsa Marketplace Reference / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An internal listing supplies meaning, workflow scope and required accounting/resource references.

## BOUNDED TRANSFORMATION

Coordinate semantic, workflow and evidence relationships without giving the listing operational authority. Elsa remains the sole compiler identity.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# Bangel Spreadsheets - Observational lifecycle

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

Bangel Spreadsheets / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A workbook edit supplies typed cells, an expected revision and dependency/simulation context.

## BOUNDED TRANSFORMATION

Preserve immutable revisions, deterministic recalculation, concurrency checks and audit evidence; keep Pearl simulation partitions distinct from measured cells.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

JPOSMJ Portfolio / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A product candidate declares origin and independent physics, verification and participant-review requirements.

## BOUNDED TRANSFORMATION

Collect separate reviews into a portfolio envelope, retaining product-specific evidence and unresolved admission gates.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# MJ Standard Containment - Observational lifecycle

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

MJ Standard Containment / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A reference calculation declares normalized geometry, scale, gas profile and boundary conditions.

## BOUNDED TRANSFORMATION

Calculate source-backed geometry relationships while separating measured dimensions and gas behavior from normalized reference shapes.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

MJ Reservoir Collection / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A reservoir model identifies collection, outlet, buffer, re-entry and wave/friction assumptions.

## BOUNDED TRANSFORMATION

Track loop and return relationships using units, uncertainty and applicable containment, egress, safety, routing and accounting evidence.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-SOLAR-CORE-BROWN | Source-backed documentary sequence — execution not rerun

MJos Solar Core / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A solar design selects its application profile and declares intake, storage, load and reserve assumptions.

## BOUNDED TRANSFORMATION

Apply shared energy-accounting relationships while retaining each application's independent geometry, environment and verification needs.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

MJos Solar Phone / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A phone-power scenario declares solar input, battery/thermal observations, workload and wake reserves.

## BOUNDED TRANSFORMATION

Coordinate intake, storage and workload within the semiconductor profile using typed energy accounting and explicit uncertainty.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-SOLAR-MARINE-BROWN | Source-backed documentary sequence — execution not rerun

MJos Solar Marine / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A marine scenario declares intake, storage, propulsion loads, thermal requirements and critical reserves.

## BOUNDED TRANSFORMATION

Model conversion/recovery and state transitions with vessel-specific telemetry and reserve requirements.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Ordinary demand must not silently consume a protected critical reserve.

## 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



# MJos Solar Spacecraft - Observational lifecycle

MJPE-COMPLETE-20260925-SOLAR-SPACECRAFT-BROWN | Source-backed documentary sequence — execution not rerun

MJos Solar Spacecraft / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A peaceful spacecraft reference declares mission scope, electrical reserves, thermal/battery state and startup/shutdown evidence requirements.

## BOUNDED TRANSFORMATION

Document solar-assisted avionics, telemetry and fault-isolation relationships without converting them into launch or propulsion commands.

## RESULT AND RECONCILIATION

Return a peaceful research trace with safety holds preserved.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-DRO-COLLECTION-BROWN | Source-backed documentary sequence — execution not rerun

DRO Collection / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A collection record declares identity, quantity, scale, source and evidence state.

## BOUNDED TRANSFORMATION

Preserve typed measurement, lineage and conservation; distinguish collection observations from Pearl simulation and computational retention.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# DRO–Pearl Handoff - Observational lifecycle

MJPE-COMPLETE-20260925-DRO-PEARL-HANDOFF-BROWN | Source-backed documentary sequence — execution not rerun

DRO–Pearl Handoff / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

DRO and Pearl identities declare compatible quantity/capacity types and a bounded computational handoff.

## BOUNDED TRANSFORMATION

Allocate within capacity, retain the original measurement or simulation class and bind both sides to a receipt.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-DRO-START-RESERVE-BROWN | Source-backed documentary sequence — execution not rerun

DRO Start and Reserve / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A start/restart reference scenario declares source energy, conversion assumptions and protected reserves.

## BOUNDED TRANSFORMATION

Represent source, start and restart accounting with explicit permit gates and unresolved physical measurements.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-LECANTO-IMAGE-TRUTH-BROWN | Source-backed documentary sequence — execution not rerun

Lecanto Image Truth / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

Image analysis preserves original source identity and declares its comparison or transformation purpose.

## BOUNDED TRANSFORMATION

Analyze source-backed residuals, label derivatives and distinguish a bounded intent hypothesis from observed fact.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

JP Semiconductor DRO–Pearl / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A proposal binds energy accounting, computational capacity and wake/reserve assumptions to one semiconductor scale.

## BOUNDED TRANSFORMATION

Preserve separate measurement, simulation and power roles; check typed capacities and energy relationships without inventing a physical article.

## RESULT AND RECONCILIATION

Return a planned integration trace with unresolved hardware evidence.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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



# Shiva Internal Banking Reference - Observational lifecycle

MJPE-COMPLETE-20260925-SHIVA-DAY1-BROWN | Source-backed documentary sequence — execution not rerun

Shiva Internal Banking Reference / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An internal Day-1 objective states account, treasury, settlement and audit scope.

## BOUNDED TRANSFORMATION

Document internal financial relationships under Mermaid, M3, JO, MK and MJ boundaries; exclude outside-platform cryptocurrency and public markets.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Shiva Crypto Legacy Candidate / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A reader must reconcile the earlier disabled Blue entry with the later internal-only Grey register.

## BOUNDED TRANSFORMATION

Preserve both dated scopes without treating the later internal objective as authorization for the older external candidate.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMplete-20260925-SHIVA-SHELLS-BROWN | Source-backed documentary sequence — execution not rerun

Shiva Shells / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A Shiva Shell identifies its typed financial state, source lineage and applicable account-envelope contract.

## BOUNDED TRANSFORMATION

Validate schema, provenance and scope; carry related accounting and participant evidence without letting the object authorize itself.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

MJos Operating System / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An operating-system profile declares its resource, memory, storage, scheduling and continuity obligations under the applicable MJ scope.

## BOUNDED TRANSFORMATION

Represent the proposed substrate and lease boundaries, preserving exact resource ownership and source status. Distinguish hosted software components and simulations from a demonstrated bootable operating system.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Bangel Database 1.0 / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A query or transaction names its schema, purpose, expected effects and required permissions.

## BOUNDED TRANSFORMATION

Resolve the typed request, retain uncertainty and lineage, check the declared transaction boundary and compare the result with its governing profile.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Moana Service Desk / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A user selects a documented workflow with the required record and role context.

## BOUNDED TRANSFORMATION

Match the request to the source-defined workflow, preserve record identity and state transitions, and distinguish prototype behavior from connected services.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

MJ Logical Layer 5 / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A neural or predictive proposal reaches the supervising decision layer.

## BOUNDED TRANSFORMATION

Apply the independent gate order, operating mode and bounded-loop policy while retaining the original proposal and observed evidence.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

MjQ / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A research claim links language states, memory or relational context.

## BOUNDED TRANSFORMATION

Preserve its definitions, distinguish software analogy from biological evidence and identify an explicit comparison or falsification test.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

MJos Self-Healing Kernel / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A detected failure or discrepancy requests a recovery action.

## BOUNDED TRANSFORMATION

Identify the exact recoverable state, permitted correction and independent validation path; preserve prior evidence and rollback boundaries.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Predictive Node Placement / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A named mechanism is used in a project explanation or proposed computation.

## BOUNDED TRANSFORMATION

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Teal Ledger / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A proposed ledger instruction identifies its asset, account, exact amount and admitted scope.

## BOUNDED TRANSFORMATION

Preserve the applicable profile, compare conservation and reconciliation rules, and separate internal reference behavior from external transfer or financial authority.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

SHIVAS Ledger Profile / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A SHIVAS record is interpreted or used in a ledger example.

## BOUNDED TRANSFORMATION

Select the correct dated profile and preserve its amount, transferability, internal-reflection and authority rules.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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.

## 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 - Observational lifecycle

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

MJ Digital Twin / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A digital model receives an observation and proposes a future or alternative state.

## BOUNDED TRANSFORMATION

Preserve observation time and provenance, distinguish received facts from forecast values and compare predictions with later evidence.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

MJ Quantum Water Protection / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A water-system design or protective action is evaluated.

## BOUNDED TRANSFORMATION

Use the declared physical model and available measurements, separate software simulation from hardware evidence and retain uncertainty and operating limits.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Bangel Cloud / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A project enters a local workspace or a proposed hosted environment.

## BOUNDED TRANSFORMATION

Preserve source imports and project boundaries, trace the selected build/backup path and distinguish local capabilities from connected hosting.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Bangel Workspace / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A project document, program or experiment is added to the workspace.

## BOUNDED TRANSFORMATION

Retain originals and duplicate lineage, associate derived results with inputs and verify the applicable save or restoration path.

## RESULT AND RECONCILIATION

Expose a traceable project view and explicit recovery boundary.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Bangel Physics Lab / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A learner changes a documented example or experiment.

## BOUNDED TRANSFORMATION

Explain the governing rule, preserve input units and assumptions, and label executed examples separately from candidate language exports.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

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

Bangel Statistics Lab / Brown

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

## OBSERVATIONAL LIFECYCLE

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

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A learner changes a documented example or experiment.

## BOUNDED TRANSFORMATION

Explain the governing rule, preserve input units and assumptions, and label executed examples separately from candidate language exports.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-MJ-ENCRYPTED-MESSAGE-API-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Encrypted Message API / Brown

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

## OBSERVATIONAL LIFECYCLE

C# API and demonstration client for authenticated encrypted messages with explicit tamper-detection and replay limitations.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A request arrives under the documented protocol.

## BOUNDED TRANSFORMATION

Validate its shape and integrity using the stated contract and distinguish tamper detection from identity, freshness or authorization guarantees.

## RESULT AND RECONCILIATION

Report the supported acceptance result without implying checks the protocol does not implement.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Alter an authenticated message and replay a previously accepted packet; report tamper and replay behavior separately under the declared protocol.

## 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 - Observational lifecycle

MJPE-COMplete-20260925-BANGEL-INTEROP-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Interoperability / Brown

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

## OBSERVATIONAL LIFECYCLE

Language-neutral API and bindings across supported Python, JavaScript/TypeScript, C++, Rust and R integration tracks.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A host language calls a documented Bangel interface.

## BOUNDED TRANSFORMATION

Match protocol, representation and ownership rules; keep adapter behavior separate from native-language implementation claims.

## RESULT AND RECONCILIATION

Return a profile-qualified result and record which parity evidence actually covers the binding.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Pass an unknown field, an unsupported numeric value and a version mismatch through each claimed binding; compare protocol outcomes without assuming parity.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-BANGEL-TEACHING-PATHWAY-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Teaching Pathway / Brown

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

## OBSERVATIONAL LIFECYCLE

Progressive explanations and paired C#/Bangel lessons covering language fundamentals, variance, GIN and node logic.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A learner follows a Bangel or paired C#/Bangel lesson.

## BOUNDED TRANSFORMATION

Use examples grounded in the selected implemented grammar and explain matching and differing semantics.

## RESULT AND RECONCILIATION

Provide a reproducible exercise and distinguish teaching shorthand from executable syntax.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Translate a lesson between C# and Bangel and verify equivalent inputs, units and visible outcomes; mark features whose toolchain support is only proposed.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-JAVA-WORK-ORDER-API-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Java Work Order API / Brown

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

## OBSERVATIONAL LIFECYCLE

Assisted Java/Spring REST starter for work orders, validation, persistence, status transitions and structured errors.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A learner changes a documented example or experiment.

## BOUNDED TRANSFORMATION

Explain the governing rule, preserve input units and assumptions, and label executed examples separately from candidate language exports.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Try an invalid work-order status transition and malformed required field; preserve structured errors and the previous stored record.

## 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 - Observational lifecycle

MJPE-COMplete-20260925-ARTIFACT-INTEGRITY-SERVICE-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Artifact Integrity Service / Brown

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

## OBSERVATIONAL LIFECYCLE

Proposed Java service for deterministic file manifests and detection of added, missing, modified, duplicate or unsafe files.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An artifact-integrity workflow is proposed for a software package.

## BOUNDED TRANSFORMATION

Define the deterministic inventory and comparison contract, identify unsafe paths and distinguish design requirements from built functionality.

## RESULT AND RECONCILIATION

Produce a reviewable specification and explicit implementation status.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Compare manifests after adding, removing and modifying files, including an unsafe path; distinguish each change and refuse traversal outside the allowed root.

## 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 - Observational lifecycle

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

Manifest / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

Separate Tide Casa vertical for models and influencers, with profiles, booking concepts and creator presentation.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A creator or visitor explores the Manifest prototype.

## BOUNDED TRANSFORMATION

Follow the documented presentation and booking flow while retaining its separate project boundary and identifying simulations.

## RESULT AND RECONCILIATION

Return the prototype outcome without implying live payments, notifications or availability.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Attempt to turn an incomplete creator profile into a confirmed booking; preserve the distinction between presentation, availability and accepted booking authority.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-TIDE-CASA-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Tide Casa / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

Customer-facing application business and service platform, with BarTide as its restaurant vertical.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A client defines a website or application need.

## BOUNDED TRANSFORMATION

Map it to the supported product lane and documented delivery workflow, preserving the distinction between approved builds and historical prototypes.

## RESULT AND RECONCILIATION

Present a traceable preview or bounded delivery result with its current evidence.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Route the same account through two service verticals; preserve each business context, billing purpose and client authorization.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-VARIANCE-CAPTURE-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Variance Capture / Brown

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

## OBSERVATIONAL LIFECYCLE

Records the difference between predictions and observed outcomes without erasing uncertainty or granting new authority.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A named mechanism is used in a project explanation or proposed computation.

## BOUNDED TRANSFORMATION

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Record opposite signed deviations from the same fixed prediction; retain sign, units, uncertainty and original observation timestamps.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-VARIANCE-POOL-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Variance Pool / Brown

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

## OBSERVATIONAL LIFECYCLE

Named allocation and evidence concept in the historical language and teaching material.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A named mechanism is used in a project explanation or proposed computation.

## BOUNDED TRANSFORMATION

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Request allocation from evidence with incompatible units or missing provenance; keep the unresolved allocation visible and do not create usable authority.

## 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 - Observational lifecycle

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

Rain / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

Named concept in the variance and predictive-node documentation family.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A named mechanism is used in a project explanation or proposed computation.

## BOUNDED TRANSFORMATION

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Try to derive executable behavior from the recovered concept name alone; require a recovered formal definition and a versioned contract before assigning capability.

## 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 - Observational lifecycle

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

Umbrella / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

Named concept associated with variance, GIN and node logic.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A named mechanism is used in a project explanation or proposed computation.

## BOUNDED TRANSFORMATION

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Attempt to collapse an unresolved uncertainty envelope into a scalar certainty; preserve the selected definition and its unresolved implementation boundary.

## 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 - Observational lifecycle

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

Smoke / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

Named concept in the variance, GIN and node-logic teaching sequence.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A named mechanism is used in a project explanation or proposed computation.

## BOUNDED TRANSFORMATION

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Present an ambiguous indicator as a verified observation; retain its evidence class and refuse an unsupported promotion to fact.

## 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 - Observational lifecycle

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

BlueWater / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System  
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## OBSERVATIONAL LIFECYCLE

Localized websites and apps for small businesses, beginning with Clearwater and designed for regional editions.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A local business selects a documented BlueWater service.

## BOUNDED TRANSFORMATION

Keep the regional needs, scope and pilot evidence explicit and separate planning packages from deployed workflows.

## RESULT AND RECONCILIATION

Produce the supported service outline and next measurable delivery step.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Duplicate a regional template for another business; preserve the client-specific content, permissions and distinction between preview and release.

## 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 - Observational lifecycle

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

Lola / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

Customer-facing planning and concierge guide for the BlueWater service workflow, with package guidance and human handoff.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A customer asks Lola for service or planning guidance.

## BOUNDED TRANSFORMATION

Use the approved service information, preserve intentional voice interaction and route unsupported decisions to a human.

## RESULT AND RECONCILIATION

Give a grounded recommendation or clear handoff without inventing booking or payment completion.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Give the concierge a request beyond its configured service package; retain the question and route the unresolved commitment to a human decision.

## 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 - Observational lifecycle

MJPE-COMplete-20260925-BANGEL-LEVERAGE-ANALYST-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Leverage Analyst / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System  
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## OBSERVATIONAL LIFECYCLE

Football analysis workspace for playbook geometry, film review, snap/formation/front/coverage/technique registration and evidence-qualified physics.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A football play or film window is selected for analysis.

## BOUNDED TRANSFORMATION

Separate modeled playbook structure from observed video and fallback context, then apply the documented review order and calibration requirements.

## RESULT AND RECONCILIATION

Return only the supported geometry or physics assessment with unresolved observation steps visible.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Compare a playbook route with an uncertain film track; preserve calibration, frame provenance and the distinction between modeled and observed movement.

## 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 - Observational lifecycle

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

Bangel Leverage Physics Lab / Brown

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

## OBSERVATIONAL LIFECYCLE

Educational video and physics lab with field calibration, tracking, timing and exportable receipts.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A learner selects video and supplies a supported calibration or tracking observation.

## BOUNDED TRANSFORMATION

Compute the documented measurements from actual inputs and label manual timestamps, coordinates and inaccessible embedded frames.

## RESULT AND RECONCILIATION

Explain the derived educational measurement without implying automated film evidence.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Change field calibration while holding pixel tracks constant; show its effect on distance and speed, preserving uncertainty and reproducible timing.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-BANGEL-CYBERNETIC-FRAMEWORK-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Cybernetic Framework / Brown

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

## OBSERVATIONAL LIFECYCLE

Connects targets, measurements, differences, authorized corrections, consequences and reconciliation through JP.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A system compares an intended outcome with an observed state.

## BOUNDED TRANSFORMATION

Represent targets, measurements, differences and permitted corrections through JP while keeping measurement separate from authority.

## RESULT AND RECONCILIATION

Record the admitted response and its observed consequence for reconciliation.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Propose a correction that reduces measured error but exceeds allowed authority; reject the action while preserving the analytical result.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-MJOS-SOFTWARE-SUPPLY-TRUST-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Software Supply Trust / Brown

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

## OBSERVATIONAL LIFECYCLE

Proposed software-assurance product connecting cryptographic dependencies, deterministic release evidence, authorization and recovery after signing-key compromise.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A software release or signing-key recovery scenario is reviewed.

## BOUNDED TRANSFORMATION

Connect the observed build, dependency, authorization and recovery evidence without claiming absent scans or production integration.

## RESULT AND RECONCILIATION

Produce a bounded assurance record and the outstanding pilot/implementation requirements.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Revoke a signing key after a release and replay its old attestation; distinguish historical signature validity from current admission and recovery policy.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-MJOS-MARINE-TRUST-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Marine Trust / Brown

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

## OBSERVATIONAL LIFECYCLE

Proposed trust layer for marine digital supply chains, connecting supplier firmware, vessel integration, service and fleet evidence.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A marine software artifact moves between supplier, installer and operator.

## BOUNDED TRANSFORMATION

Track its source, version, authorization and service evidence across the declared vessel boundary.

## RESULT AND RECONCILIATION

Explain the qualified trust decision and the physical or deployment evidence still required.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Present supplier firmware evidence for the wrong vessel configuration; preserve the mismatch and hold admission despite a valid supplier signature.

## 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 - Observational lifecycle

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

QSHM / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

Custom hardware concept in the MJos Quantum security family, intended to follow validated software interfaces and customer use cases.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A hardware concept is included in a system design.

## BOUNDED TRANSFORMATION

Specify its intended interfaces and evidence requirements without substituting a software mock-up for physical validation.

## RESULT AND RECONCILIATION

Retain a reviewable hardware proposal and clearly identify the missing device evidence.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Compare a proposed hardware function with the validated software interface; mark missing device measurements and avoid reporting prototype or security-performance results.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-TRUST-GATEWAY-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Trust Gateway / Brown

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

## OBSERVATIONAL LIFECYCLE

Marine-facing hardware gateway concept for governed supplier, vessel and fleet evidence.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A hardware concept is included in a system design.

## BOUNDED TRANSFORMATION

Specify its intended interfaces and evidence requirements without substituting a software mock-up for physical validation.

## RESULT AND RECONCILIATION

Retain a reviewable hardware proposal and clearly identify the missing device evidence.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Disconnect fleet connectivity during a proposed update; demonstrate the specified hold/recovery contract before inferring a safe physical gateway behavior.

## 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 - Observational lifecycle

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

MJ Marine / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

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## OBSERVATIONAL LIFECYCLE

Engineering decision-twin service and reference-model family for propulsion, thermal, energy and repower comparisons.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A vessel or propulsion decision has a defined objective and available data.

## BOUNDED TRANSFORMATION

Compare a bounded set of alternatives using the applicable model and preserve sensitivity to uncertain inputs.

## RESULT AND RECONCILIATION

Provide an evidence-qualified engineering comparison and explicit data gaps.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Compare two repower candidates with unequal source quality; expose assumptions, sensitivity and missing vessel measurements before ranking them.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-MARINE-DESIGN-DECISION-TWIN-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Marine Design-Decision Twin / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System  
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## OBSERVATIONAL LIFECYCLE

Compares a bounded set of vessel or propulsion design alternatives with explicit assumptions, uncertainty, data gaps and supporting evidence.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A marine design decision is selected before hardware commitment.

## BOUNDED TRANSFORMATION

Build the declared baseline, compare the specified alternatives and trace assumptions, uncertainty and validation limits.

## RESULT AND RECONCILIATION

Return a bounded model-based recommendation rather than an unmeasured physical-performance guarantee.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Change a propulsion constraint after fixing a comparison set; retain the earlier assumptions and produce a new bounded decision receipt.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-MJ-PHYSICS-DIGITAL-TWINS-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Physics Digital Twins / Brown

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

## OBSERVATIONAL LIFECYCLE

Circuit-board-style modeling practice connecting a physical system, pre-observation model, measurement, GIN variance and bounded decisions.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A physical system requires a design or control comparison.

## BOUNDED TRANSFORMATION

Connect the model, measurement and GIN variance while distinguishing known physics, modeled propositions and untested research.

## RESULT AND RECONCILIATION

Present the supported comparison and validation needed for the next engineering decision.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Compare the pre-observation circuit model with measured inputs under changed units; preserve the model, conversion and residual evidence separately.

## 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 - Observational lifecycle

MJPE-COMplete-20260925-BANGEL-EFFECT-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Effect / Brown

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

## OBSERVATIONAL LIFECYCLE

Named research concept presented alongside R0, GIN and IF/HOW/THEN within digital-twin architecture.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A Bangel Effect claim is used in a visual or physical-model explanation.

## BOUNDED TRANSFORMATION

State the proposed effect, distinguish it from established thermodynamic mechanisms and define a measurement that could confirm or challenge it.

## RESULT AND RECONCILIATION

Retain the research claim at the evidence level actually supported.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Ask a visualization or simulated residual to establish a new physical effect; require independent experimental evidence and preserve the research-only status.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-BANGEL-MEDIA-COMPRESSOR-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Media Compressor / Brown

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

## OBSERVATIONAL LIFECYCLE

JP-rooted media/compression development with exact arithmetic, resource receipts, codec staging and independently gated trial/rollback decisions.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A media transformation or compression candidate is proposed.

## BOUNDED TRANSFORMATION

Identify the actual codec implementation, preserve original bytes and compare restoration, quality and performance evidence.

## RESULT AND RECONCILIATION

Record only the demonstrated result; partial AV1 work and third-party compression remain explicitly identified.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Round-trip a bounded media sample under the declared codec and resource limit; separately report distortion, exactness claims, resource receipts and rollback conditions.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-CPP-SERVICE-ADAPTER-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel C++ Service Adapter / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System  
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## OBSERVATIONAL LIFECYCLE

C++17 adapter for calling the Bangel language service through the supported protocol.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A host application sends a request through the adapter.

## BOUNDED TRANSFORMATION

Respect the selected service contract, ownership rules and response semantics rather than assuming complete native-language parity.

## RESULT AND RECONCILIATION

Return the documented result with platform and contract coverage attached.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Send a malformed protocol response and unsupported version through the C++ adapter; retain structured failure without silently accepting incompatible data.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-CPP-DECIMAL-LIBRARY-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

JP C++ Decimal Library / Brown

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

## OBSERVATIONAL LIFECYCLE

Native decimal operations with a C interface and C++ wrapper.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A supported decimal operation is requested through the native or R interface.

## BOUNDED TRANSFORMATION

Preserve representation, rounding and ownership rules and compare behavior with the matching numeric contract.

## RESULT AND RECONCILIATION

Return the precise supported result or named failure without expanding the arithmetic guarantees.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-RUST-SERVICE-ADAPTER-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Rust Service Adapter / Brown

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

## OBSERVATIONAL LIFECYCLE

Rust adapter with protocol handling, examples and tests for the language service.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A host application sends a request through the adapter.

## BOUNDED TRANSFORMATION

Respect the selected service contract, ownership rules and response semantics rather than assuming complete native-language parity.

## RESULT AND RECONCILIATION

Return the documented result with platform and contract coverage attached.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Cancel a service request and then deliver a late response; preserve request identity, protocol validity and cancellation semantics.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-R-JPSSERVICE-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

R jpsservice / Brown

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

## OBSERVATIONAL LIFECYCLE

R package for calling the Bangel language service.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A host application sends a request through the adapter.

## BOUNDED TRANSFORMATION

Respect the selected service contract, ownership rules and response semantics rather than assuming complete native-language parity.

## RESULT AND RECONCILIATION

Return the documented result with platform and contract coverage attached.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Send a vector containing missing and zero values through the service binding; preserve each distinction or report an unsupported conversion.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-R-JPDECIMAL-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

R jpdecimal / Brown

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

## OBSERVATIONAL LIFECYCLE

R package exposing the native decimal library.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A supported decimal operation is requested through the native or R interface.

## BOUNDED TRANSFORMATION

Preserve representation, rounding and ownership rules and compare behavior with the matching numeric contract.

## RESULT AND RECONCILIATION

Return the precise supported result or named failure without expanding the arithmetic guarantees.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Round-trip a long decimal through the native and R boundaries; preserve exact representation and report unsupported range without silent rounding.

## 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 - Observational lifecycle

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

Bangel Studios / Brown

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

## OBSERVATIONAL LIFECYCLE

Music-production workspace combining drum, bass, strings and vocal lanes, instrument controls, project handling and evidence-aware processing.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A musical sequence is created or edited.

## BOUNDED TRANSFORMATION

Preserve event timing and user controls, identify the actual synthesis/export path and distinguish browser support from future native plug-in work.

## RESULT AND RECONCILIATION

Present the playable or exported result at the demonstrated capability level.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Reload a project with synchronized drum, bass and vocal lanes; compare tempo, event timing and declared processing without assuming native plug-in equivalence.

## 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 - Observational lifecycle

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

Bangel Drums / Brown

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

## OBSERVATIONAL LIFECYCLE

Drum-sequencer branch of Bangel Studios with grid-based steps, drum voices, bass and synchronized musical lanes.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A musical sequence is created or edited.

## BOUNDED TRANSFORMATION

Preserve event timing and user controls, identify the actual synthesis/export path and distinguish browser support from future native plug-in work.

## RESULT AND RECONCILIATION

Present the playable or exported result at the demonstrated capability level.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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.

## 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 - Observational lifecycle

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

Bangel Infinity / Brown

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

## OBSERVATIONAL LIFECYCLE

Named processing profile within the historical Bangel Studios music workflow.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

The named audio-processing profile is applied to an eligible studio input.

## BOUNDED TRANSFORMATION

Trace the actual processing path and controls and compare output with the original rather than inferring superiority from the profile name.

## RESULT AND RECONCILIATION

Document the supported studio result and any independent-validation gap.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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.

## 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 - Observational lifecycle

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

Bangel Compiler Lab / Brown

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

## OBSERVATIONAL LIFECYCLE

Compiler and media-codec development lab with Elsa, rooted JP-IR, staged backend plans and explicit evidence gates.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A compiler-lab source or codec stage is evaluated.

## BOUNDED TRANSFORMATION

Compile only the supported profile through Elsa, preserve JP identity and distinguish completed development slices from blocked dependencies.

## RESULT AND RECONCILIATION

Produce the profile-qualified artifact and current implementation status.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Compile an unsupported backend or codec request through Elsa; preserve a precise unsupported result instead of claiming all staged backends are implemented.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-BANGEL-DEBT-ANALYTICS-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Debt Analytics / Brown

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

## OBSERVATIONAL LIFECYCLE

Early debt-evaluation and negotiation analytics framework using layered modeling and calibrated constructs for complexity, difficulty, risk, opportunity and priority.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An analytical construct is estimated from declared inputs.

## BOUNDED TRANSFORMATION

Use one versioned construct definition and a traceable scoring policy, keeping calibration evidence separate from model design.

## RESULT AND RECONCILIATION

Return a qualified estimate and the evidence needed before decision or performance claims.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Vary one debt-model input with fixed calibration rules; show how scores change and keep exploratory prioritization separate from a validated financial conclusion.

## 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 - Observational lifecycle

MJPE-COMplete-20260925-CONSTRUCT-FRAMEWORK-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Construct Framework / Brown

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

## OBSERVATIONAL LIFECYCLE

Reusable construct-estimation interface whose internal pipeline normalizes, orients, weights, aggregates and classifies inputs under declared rules.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An analytical construct is estimated from declared inputs.

## BOUNDED TRANSFORMATION

Use one versioned construct definition and a traceable scoring policy, keeping calibration evidence separate from model design.

## RESULT AND RECONCILIATION

Return a qualified estimate and the evidence needed before decision or performance claims.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Reverse an input orientation and remove a required weight; preserve the normalization rule and expose the missing aggregation prerequisite.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-BLUEWATER-STUDIO-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

BlueWater Studio / Brown

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

## OBSERVATIONAL LIFECYCLE

White-label website and application delivery lane within the historical BlueWater service platform.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A client defines a website or application need.

## BOUNDED TRANSFORMATION

Map it to the supported product lane and documented delivery workflow, preserving the distinction between approved builds and historical prototypes.

## RESULT AND RECONCILIATION

Present a traceable preview or bounded delivery result with its current evidence.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Promote a client preview through a proposed release workflow; require the correct client identity and approved content before recording a published result.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-BANGEL-DOCUMENT-LIBRARY-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Document Library / Brown

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

## OBSERVATIONAL LIFECYCLE

Earlier searchable archive with namesake collections, color organization and page-level indexing; source lineage for the current Teal library.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A document or historical collection is added to the library.

## BOUNDED TRANSFORMATION

Preserve its source identity and coverage, apply current display terminology and distinguish indexed text from recovered original bytes.

## RESULT AND RECONCILIATION

Provide searchable, traceable records with missing sources and historical boundaries visible.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Search the same term by color, project and page; preserve source lineage and distinguish historical archive records from rewritten documentation.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-BANGEL-VISUAL-EFFECTS-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Visual Effects / Brown

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

## OBSERVATIONAL LIFECYCLE

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.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

The Bangel Visual Effects identity is prepared for the catalog.

## BOUNDED TRANSFORMATION

Recover its original scope and compare it with Lecanto and Bangel Effect without assuming they are the same product.

## RESULT AND RECONCILIATION

Show the requested identity with a source-recovery status until its independent capabilities are grounded.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Compare a transformation against its source image and requested effect; document the exact transformation and keep scientific-effect claims outside unverified VFX scope.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-SILENT-GUARDIAN-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Silent Guardian / Brown

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

## OBSERVATIONAL LIFECYCLE

Observes transaction behavior and refines deterministic estimates while preserving the distinction between authenticated and simulated telemetry, bounded corrections and hardened evidence receipts.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A transaction supplies an eligible observation under a declared Silent Guardian profile.

## BOUNDED TRANSFORMATION

Bind telemetry origin and provenance, update the deterministic estimate within its bounds, and retain the observed outcome and any proposed correction separately.

## RESULT AND RECONCILIATION

Record the refinement and evidence receipt; leave unsupported integration and physical claims explicit.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MJQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Mix authenticated telemetry with simulated samples and exceed a correction envelope; preserve provenance, enforce bounds and report incomplete instrumentation.

## 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 - Observational lifecycle

MJPE-COMplete-20260925-AVIATOR-CLOUD-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Aviator Cloud / Brown

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

## OBSERVATIONAL LIFECYCLE

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.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

The Aviator Cloud project lane is described or linked.

## BOUNDED TRANSFORMATION

Reconcile Aviator workspace, Bangel Cloud and Shekina roles while preserving their separate implementation and hosting evidence.

## RESULT AND RECONCILIATION

Present the requested cloud-facing identity and the exact source/deployment gaps.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Describe a cloud task without a recovered deployment contract; retain the proposed workspace relationship and mark hosting, execution and continuity support as unresolved.

## 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 - Observational lifecycle

MJPE-COMplete-20260925-MJOS-NEUROLOGICAL-MODEL-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Neurological Model / Brown

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

## OBSERVATIONAL LIFECYCLE

User-named model family connecting neural association, relational context, episodic recall, predictive comparison and supervised decisions in the MJos ecosystem.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A neural or recalled pattern contributes to a proposed decision.

## BOUNDED TRANSFORMATION

Retain observations, compare context and alternatives, preserve lowercase research states separately from runtime states and apply independent supervision.

## RESULT AND RECONCILIATION

Record a qualified software result without treating biological analogy as biological validation.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Retrieve a similar memory in a different context; preserve relation and uncertainty, then require independent supervision before any proposed decision is admitted.

## 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 - Observational lifecycle

MJPE-COMPLETE-20260925-MERMAID-QUANTUM-BLOCKCHAIN-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Mermaid Quantum Blockchain / Brown

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

## OBSERVATIONAL LIFECYCLE

User-named blockchain project grouping connecting Mermaid financial meaning and reconciliation with the distinct Teal ledger development lineage.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A proposed ledger instruction identifies its asset, account, exact amount and admitted scope.

## BOUNDED TRANSFORMATION

Preserve the applicable profile, compare conservation and reconciliation rules, and separate internal reference behavior from external transfer or financial authority.

## RESULT AND RECONCILIATION

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

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Map a Mermaid obligation to a ledger record; require an explicit semantic adapter and do not infer quantum security or a unified deployed chain.

## 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 - Observational lifecycle

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

Perth / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

Governed full-stack consolidation framework organizing the language, compiler, representation, runtime, observer and domain modules into explicit active, historical, experimental and external-evidence boundaries.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

A system compares an intended outcome with an observed state.

## BOUNDED TRANSFORMATION

Represent targets, measurements, differences and permitted corrections through JP while keeping measurement separate from authority.

## RESULT AND RECONCILIATION

Record the admitted response and its observed consequence for reconciliation.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

Import a historical module into the consolidation map; preserve its historical status and prevent documentation inclusion from marking it active or integrated.

## 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 - Observational lifecycle

MJPE-COMplete-20260925-LIVING-WATER-BROWN | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Quantum: Living Water / Brown

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

## OBSERVATIONAL LIFECYCLE

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.

## ORIGIN AND CANDIDATE

Preserve request, source identity and anticipated context. A proposal or forecast is not an acquired observation.

## EVIDENCE INTAKE

An existing water facility or community scenario supplies its scale, measurements, engineering assumptions and operating limits.

## BOUNDED TRANSFORMATION

Model water and energy flows, expose cost assumptions, capture variance and QSHM evidence, and evaluate bounded recovery proposals under operator authority.

## RESULT AND RECONCILIATION

Produce a traceable design or retrofit scenario, state what is verified, and hold physical deployment claims until their own evidence exists.

## STATE PROFILE RULE

Identify the applicable R/R0/R1/N1-N9/R2 profile before assigning state labels. Historical R1 meanings differ; lower-case neural r0/r9 is separate from runtime R-states and MjQ states. Preserve the original event, missing prerequisite and each later correction.

## REENTRY CHALLENGE

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.

## 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.