

Teal / 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 - IF / HOW / THEN logic

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

Elsa Compiler / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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.

THEN

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

TYPED EVIDENCE

- SourceText: UTF-8 Bangel source
- GrammarProfile: explicit version
- Effects: declared closed set
- CompileResult: JP-IR or source-spanned diagnostic

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

JP Representation / Teal

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IF / HOW / THEN CONTRACT

IF

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

HOW

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.

THEN

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

TYPED EVIDENCE

- RepresentationProfile: JP-IR/1 or separately named profile
- CanonicalBytes: exact serialization
- SourceDigest: SHA-256
- AdmissionResult: accepted or rejected with reason

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

JP; JP-IR/1; JP-CANON

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: implementation_source_and_distinct_proposals.

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

SOURCE REFERENCES

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

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

- Recovered nonwhite collection, page 1302

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

- Recovered nonwhite collection, page 1376

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

RECOVERED HISTORICAL CONTEXT

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

SOURCE REFERENCES

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

[Recovered nonwhite collection, page 1302](#)

[Recovered nonwhite collection, page 1376](#)

Joanna Processing - IF / HOW / THEN logic

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

Joanna Processing / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

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

HOW

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

THEN

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.

TYPED EVIDENCE

- AdmittedIR: independently verified JP
- RuntimeBudget: bounded resource declaration
- InputBinding: typed values and source roots
- Receipt: actual status and execution identity

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

JO Proof and Verification / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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.

THEN

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

TYPED EVIDENCE

- ProofScope: named historical contract
- TypedCAPO: exact representation identity
- EvidenceSet: assertion-bound artifacts
- VerificationReceipt: result and unresolved prerequisites

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJ Governing Root / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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.

THEN

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

TYPED EVIDENCE

- Purpose: declared governing scope
- EvidencePacket: participant receipts
- ResourceLease: bounded proposed allocation
- Decision: scoped permit, hold or deny

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

MJ root; MJ.23.R2.ACT

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: documented_profile_partial_integration.

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

SOURCE REFERENCES

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

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

- Recovered nonwhite collection, page 1299

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

RECOVERED HISTORICAL CONTEXT

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

SOURCE REFERENCES

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

[Recovered nonwhite collection, page 1299](#)

Bangel Robotics - IF / HOW / THEN logic

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

Bangel Robotics / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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.

THEN

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

TYPED EVIDENCE

- Observation: value or UNKNOWN with unit
- AcquisitionTime: timestamp and clock domain
- RobotContext: declared coordinate frame
- Advisory: result, uncertainty and effect boundary

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Teal Robotics / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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.

THEN

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

TYPED EVIDENCE

- Proposal: preserved shadow-control schema
- MinorityRisk: PMOS-MINORITY-GATE/1 input
- IndependentReview: separately bound verdict
- GateOutcome: PASS, HOLD or DENY

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

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

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: implementation_source.

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

SOURCE REFERENCES

- plugins/mj_predictive/src/mj_predictive/_teal/PLUGIN.json · line 1
https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_predictive/src/mj_predictive/_teal/PLUGIN.json#L1

SOURCE REFERENCES

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

Bangel Native SDK - IF / HOW / THEN logic

MJPE-COMPLETE-20260925-BANGEL-NATIVE-SDK-TEAL | Source-backed documentary sequence — execution not rerun

Bangel Native SDK / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SourceText: filename and Bangel content
- CompilerInterface: IElsaCompiler
- CompilationResult: typed IR or diagnostic
- ManagedReceipt: source-bound Joanna result

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel API / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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.

THEN

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

TYPED EVIDENCE

- Protocol: BANGEL-API/1
- Request: closed operation envelope
- ProgramIdentity: source digest
- Response: typed result or diagnostic

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

BANGEL-API/1

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: `implementation_source`.

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

SOURCE REFERENCES

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

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

/identity.py#L11

SOURCE REFERENCES

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

MJPS Thermodynamics - IF / HOW / THEN logic

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

MJPS Thermodynamics / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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.

TYPED EVIDENCE

- Profile: Bangel 0.1 MJPS
- Temperature: expected, anticipated or delivered
- Calibration: verified or unverified
- ProposalReceipt: PASS_PROPOSAL or HOLD

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJmri MRI Imaging / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ResearchCase: source identity and evidence class
- Quantity: semantic unit and uncertainty
- Profile: authored MJMRI version
- ClinicalUse: false

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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](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)

MJMRI Optical Research - IF / HOW / THEN logic

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

MJMRI Optical Research / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- OpticalFrame: pixels and acquisition metadata
- EvidenceClass: optical, inferred surface, synthetic prior or MR
- Transform: disclosed source-preserving operation
- Output: non-clinical research representation

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Cubix / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SourceRoot: image identity
- PixelBounds: validated interval
- GridIndex: multiresolution cell
- CellLineage: parent and source references

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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->

SOURCE REFERENCES

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

MJ Memory Kernel Adapters - IF / HOW / THEN logic

MJPE-COMPLETE-20260925-MJ-MEMORY-KERNEL-TEAL | Source-backed documentary sequence — execution not rerun

MJ Memory Kernel Adapters / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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.

THEN

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

TYPED EVIDENCE

- Namespace: bound memory context
- Generation: monotonic identifier
- Lifecycle: QUIESCE, SEAL, CHECKPOINT, DETACH, RECLAIM
- Checkpoint: canonical source-bound hash

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

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

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: implementation_source.

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

SOURCE REFERENCES

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

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

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

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/docs/KERNEL.md#L19

SOURCE REFERENCES

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

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

MJ Football Playbook - IF / HOW / THEN logic

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

MJ Football Playbook / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SelectionId: original playbook identity
- SchematicFrame: declared bounds
- CurveGeometry: source points and curves
- RecallResult: candidate, similarity and uncertainty

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

MJ-Playbook-Projection/0.1.0

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: implementation_source.

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

SOURCE REFERENCES

- plugins/mj_memory_recall/README.md · line 1

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

- plugins/mj_memory_recall/README.md · line 53

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

RECOVERED HISTORICAL CONTEXT

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

SOURCE REFERENCES

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

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

MJ EGO REV - IF / HOW / THEN logic

MJPE-COMplete-20260925-MJ-EGO-REV-TEAL | Source-backed documentary sequence — execution not rerun

MJ EGO REV / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- EnergyEntry: source class and joules or UNKNOWN
- BatteryState: initial, capacity and grid energy
- ThermalState: initial and captured energy
- AuditRecord: prior root, payload and root

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

MJ-EGO-REV; Ego.Core

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: source_index_recovered.

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

SOURCE REFERENCES

- Later Teal source index, page 974

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

- Later Teal source index, page 977

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

- Later Teal source index, page 978

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

- Later Teal source index, page 979

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

RECOVERED HISTORICAL CONTEXT

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

SOURCE REFERENCES

[Later Teal source index, page 974](#)

[Later Teal source index, page 977](#)

[Later Teal source index, page 978](#)

[Later Teal source index, page 979](#)

MJos Quantum Security - IF / HOW / THEN logic

MJPE-COMplete-20260925-MJOS-QUANTUM-SECURITY-TEAL | Source-backed documentary sequence — execution not rerun

MJos Quantum Security / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- NoisePacket: source and observed bytes
- EntropyHealth: declared bounded tests
- RiskSignals: authentication, traffic and integrity
- KeyEvent: provision, rotation or compromise

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

mjos_qs; Quantum Security

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: source_index_recovered.

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

SOURCE REFERENCES

- Later Teal source index, page 998

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

- Later Teal source index, page 1000

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

- Later Teal source index, page 1003

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

- Later Teal source index, page 1006

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

- Later Teal source index, page 1007

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

RECOVERED HISTORICAL CONTEXT

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

SOURCE REFERENCES

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

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

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

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

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

Mika / MK Physics - IF / HOW / THEN logic

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

Mika / MK Physics / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- Quantity: value, unit and uncertainty
- ControlVolume: declared boundary
- ScaleProfile: explicit scale
- PhysicsReceipt: applicable, not-applicable or HOLD

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

Mika; MK; MK-PHYSICS

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: documented_reference.

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

SOURCE REFERENCES

- Recovered nonwhite collection, page 1303

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1303](#)

Angels Safety - IF / HOW / THEN logic

MJPE-COMplete-20260925-ANGELS-SAFETY-TEAL | Source-backed documentary sequence — execution not rerun

Angels Safety / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- Domain: bounded safety scope
- Telemetry: source and timestamp
- SafetyRule: explicit trigger
- Receipt: observe, hold, deny, isolate or correct

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

ANGELS; ANGELS-SAFETY

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: `documented_reference`.

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

SOURCE REFERENCES

- Recovered nonwhite collection, page 1306

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1306](#)

Bellatrix Defense - IF / HOW / THEN logic

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

Bellatrix Defense / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- Intake: exact source and digest
- Challenge: bounded hostile-deviation check
- Posture: verified, unknown or failed
- QuarantineRecord: reason and scope

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

BELLATRIX

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: `documented_reference`.

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

SOURCE REFERENCES

- Recovered nonwhite collection, page 1307

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

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

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

RECOVERED HISTORICAL CONTEXT

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1307](#)

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

Sister Prediction and Containment - IF / HOW / THEN logic

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

Sister Prediction and Containment / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- StateStream: observations and clocks
- Forecast: source-bound advisory
- ReserveRequest: bounded capacity
- Binding: primary Sister and declared failover

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

EVE Variance and Egress / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- Boundary: declared control surface
- FlowObservation: intake, capture and egress
- Residual: measured or UNKNOWN with unit
- VarianceLedger: source-bound differences

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

EVE; EVE-SCREEN

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: `documented_reference`.

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

SOURCE REFERENCES

- Recovered nonwhite collection, page 1309

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1309](#)

Mary / M3 Routing - IF / HOW / THEN logic

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

Mary / M3 Routing / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- AdmittedRequest: exact scope
- MJLease: bounded allocation
- CapacityEvidence: available resources
- ReturnReceipt: used and unused amounts

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

M3; Mary

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: `documented_reference`.

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

SOURCE REFERENCES

- Recovered nonwhite collection, page 1310

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1310](#)

Mermaid Reconciliation - IF / HOW / THEN logic

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

Mermaid Reconciliation / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- CustodyReference: acquired evidence identity
- AccountEntry: typed amount and source
- ReconciliationState: explicit disposition
- Statement: source-bound period

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Shiva Capital Models / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- CapitalPurpose: stated objective
- MermaidAccount: reconciled reference
- LiquidityRequirement: explicit bound
- CapitalProposal: non-executing distribution plan

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

SHIVA

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: `documented_reference`.

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

SOURCE REFERENCES

- Recovered nonwhite collection, page 1312

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1312](#)

Shekina Continuity - IF / HOW / THEN logic

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

Shekina Continuity / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- PlacementRequest: artifact and scope
- Lease: bounded resources
- ReplicaSet: versioned identities
- FailoverPlan: declared source and target

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

SHEKINA; SHEKINA-CONTINUITY

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: documented_reference.

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

SOURCE REFERENCES

- Recovered nonwhite collection, page 1313

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

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

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

RECOVERED HISTORICAL CONTEXT

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1313](#)

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

Belle Engineering - IF / HOW / THEN logic

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

Belle Engineering / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- DesignCAPO: source architecture
- PhysicsReceipt: applicable constraints
- Criterion: measurable feasibility requirement
- Proposal: alternative, assumptions and risk

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Aviator Workspace / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- Workspace: tenant and scope
- MemberRole: explicit capability
- ProjectRecord: source-bound state
- DecisionRecord: author and evidence

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

CHI Temporal Variance / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ExpectedState: source and time
- ObservedState: acquisition evidence
- DeliveredState: separate event
- Variance: typed difference and reconciliation

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

WATER Uncertainty / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- Interval: lower/upper and unit
- VerifiedFloor: source-backed bound
- EvidenceLimit: known or unknown
- ClassificationProfile: named rule

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

JP Semiconductor Phone / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ScaleProfile: semiconductor dimensions
- Intake: observed or simulated
- WakeReserve: energy and time
- BatteryState: charge and thermal evidence

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

MJPE-COMplete-20260925-JP-MARINE-POWER-TEAL | Source-backed documentary sequence — execution not rerun

JP Marine Power / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- MarineProfile: vessel context
- IntakeStorage: typed energy model
- PowerBus: conversion path
- Containment: declared boundary

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

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

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: documented_planned_only_unclassified.

PLANNED_ONLY_UNCLASSIFIED

SOURCE REFERENCES

- Recovered nonwhite collection, page 1381

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1381](#)

JP Peaceful Propulsion - IF / HOW / THEN logic

MJPE-COMPLETE-20260925-JP-PEACEFUL-PROPULSION-TEAL | Source-backed documentary sequence — execution not rerun

JP Peaceful Propulsion / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ResearchPurpose: peaceful scope
- PropulsionState: reference-only
- EnergyBoundary: typed quantities
- PhysicalStatus: active safety hold

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

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

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: documented_planned_only_safety_hold.

PLANNED_ONLY_SAFETY_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1382

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1382](#)

Shiva Dual Rails - IF / HOW / THEN logic

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

Shiva Dual Rails / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- StabilityRail: liquidity scope
- InvestmentRail: risk scope
- AccountReference: Mermaid record
- ExternalState: disabled

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

SHIVAS Internal Reflection / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ReflectionId: immutable identity
- CapitalReference: internal source
- Transferability: false
- MonetaryValue: none asserted

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Shiva Exchange Reference / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SimulationOrder: bounded fixture
- PriceTimeRule: declared model
- CustodyReference: source or synthetic
- MarketState: simulation only

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Elsa Marketplace Reference / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- Listing: declared semantic purpose
- Workflow: bounded stages
- AccountingReference: scoped record
- ResourceEvidence: route and capacity

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

ELSA-MARKETPLACE; Elsa Governed Marketplace Reference
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: documented_internal_reference_only.

INTERNAL_REFERENCE_ONLY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1394

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1394](#)

Bangel Spreadsheets - IF / HOW / THEN logic

MJPE-COMPLETE-20260925-BANGEL-SPREADSHEETS-TEAL | Source-backed documentary sequence — execution not rerun

Bangel Spreadsheets / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- Cell: typed measurement or UNKNOWN
- Revision: immutable workbook identity
- DependencyGraph: declared edges
- RecalculationReceipt: exact input/output revisions

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

JPOSMJ Portfolio / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ProductOrigin: JP source identity
- PhysicsReview: MK applicability
- Verification: JO evidence
- PermitClass: bounded MJ status

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

JPOSMJ-PORTFOLIO; JPOSMJ Product Portfolio Envelope

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: documented_prepasskey_portfolio_envelope.

PREPASSKEY_PORTFOLIO_ENVELOPE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1398

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

SOURCE REFERENCES

Recovered nonwhite collection, page 1398

MJ Standard Containment - IF / HOW / THEN logic

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

MJ Standard Containment / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- Geometry: normalized rectangle/cone profile
- Scale: declared with physical values held
- ReferenceGas: named model
- Boundary: Sister, EVE and reservoir

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

MJPE-COMPLETE-20260925-RESERVOIR-COLLECTION-TEAL | Source-backed documentary sequence — execution not rerun

MJ Reservoir Collection / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ReservoirState: bounded volume or energy
- Outlet: exterior boundary
- Reentry: declared geometry
- Balance: observed, simulated or unknown

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJos Solar Core / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SolarIntake: energy and source
- Storage: bounded state
- LoadProfile: phone, marine or spacecraft
- Reserve: explicit protected minimum

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJos Solar Phone / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- PhoneLoad: workload context
- SolarAssist: observed or assumed
- BatteryThermal: source-bound temperature
- WakeReserve: bounded energy

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJos Solar Marine / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- MarineLoad: propulsion and critical loads
- SolarStorage: intake and state
- ConversionRecovery: explicit path
- ReserveProtection: source-bound limits

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

Ordinary demand must not silently consume a protected critical reserve.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

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

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: documented_design_trace_specification_frozen_unclassified_no_physical_article.

DESIGN_TRACE_SPECIFICATION_FROZEN_UNCLASSIFIED_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1403

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

SOURCE REFERENCES

Recovered nonwhite collection, page 1403

MJos Solar Spacecraft - IF / HOW / THEN logic

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

MJos Solar Spacecraft / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

Return a peaceful research trace with safety holds preserved.

TYPED EVIDENCE

- MissionProfile: peaceful research
- AvionicsReserve: bounded energy
- PropulsionState: coordination only
- FaultState: explicit emergency boundary

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

DRO Collection / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- DRORecord: element or variance identity
- Quantity: value, unit and uncertainty
- Scale: named profile
- Lineage: collection and conservation references

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

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

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: `documented_reference_candidate_simulation_and_measurement_only`.

`REFERENCE_CANDIDATE_SIMULATION_AND_MEASUREMENT_ONLY`

SOURCE REFERENCES

- Recovered nonwhite collection, page 1405

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1405](#)

DRO–Pearl Handoff - IF / HOW / THEN logic

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

DRO–Pearl Handoff / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- DROSource: typed record
- PearlNode: computational partition
- Capacity: typed allocation bound
- Receipt: source, target and retained lineage

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

DRO Start and Reserve / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- EnergySource: classified reference
- StartEnergy: amount or UNKNOWN
- RestartReserve: protected bound
- OperationState: non-operational hold

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Lecanto Image Truth / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ImageSource: digest and metadata
- SignalResidual: scoped comparison
- Transformation: disclosed derivative
- IntentHypothesis: bounded inference

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

JP Semiconductor DRO–Pearl / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

Return a planned integration trace with unresolved hardware evidence.

TYPED EVIDENCE

- SemiconductorProfile: scale and power
- DROEnergyLedger: typed quantities
- PearlNode: computational capacity
- WakeReserve: protected limit

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

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

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

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

Recovered status: documented_planned_only_no_physical_article.

PLANNED_ONLY_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1409

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1409](#)

Shiva Internal Banking Reference - IF / HOW / THEN logic

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

Shiva Internal Banking Reference / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- InternalAccount: reference-only
- TreasuryScenario: explicit scope
- SettlementReflection: internal model
- ExternalMarket: excluded

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Shiva Crypto Legacy Candidate / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- HistoricalEntry: BP-PROD-017
- Status: DISABLED_ACTIVE_HOLD
- LaterScope: internal-only Grey objective
- Reconciliation: dated scope difference

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Shiva Shells / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ShellId: governed account-envelope identity
- FinancialState: typed representations
- Provenance: source-bound evidence
- Authority: false; separate admission required

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

MJPE-COMPLETE-20260925-MJOS-OPERATING-SYSTEM-TEAL | Source-backed documentary sequence — execution not rerun

MJos Operating System / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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.

THEN

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

TYPED EVIDENCE

- OperatingProfile: explicit proposed substrate
- ResourceLease: bounded MJ allocation
- ExecutionPlan: separately admitted work
- InfrastructureReceipt: isolation and continuity evidence

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Database 1.0 / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- DatabaseRequest — query, schema version, declared purpose
- TypedTransaction — values, constraints, visibility and isolation
- AuthorityEvidence — actor, scope and expiry
- TransactionReceipt — admitted outcome, uncertainty and lineage

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Moana Service Desk / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System
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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- UserIntent — requested workflow and context
- DomainRecord — versioned project data
- PermissionScope — actor and allowed operation
- WorkflowReceipt — observed result and provenance

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJ Logical Layer 5 / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

A neural or predictive proposal reaches the supervising decision layer.

HOW

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

THEN

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

TYPED EVIDENCE

- ModelProposal — candidate outcome and uncertainty
- IndependentEvidence — observations separate from the proposal
- GateDecision — PASS, HOLD or DENY with reasons
- SupervisionTrace — deadlines, retries and retained state

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MjQ / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ResearchHypothesis — stated idea and scope
- QualifiedAnalogy — source and biological or software context
- Observation — measured or synthetic evidence
- FalsificationCriterion — result that would challenge the hypothesis

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJos Self-Healing Kernel / Teal

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

IF / HOW / THEN CONTRACT

IF

A detected failure or discrepancy requests a recovery action.

HOW

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

THEN

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

TYPED EVIDENCE

- Checkpoint — rooted recoverable state
- RecoveryProposal — intended bounded correction
- IndependentValidation — evidence for accepting a correction
- RecoveryReceipt — applied or retained state and reason

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Predictive Node Placement / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Teal Ledger / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- LedgerInstruction — asset, account and intended operation
- ExactAmount — units, scale and conservation rule
- AdmissionEvidence — identity, scope and validated conditions
- LedgerReceipt — before/after state, evidence and reconciliation

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

SHIVAS Ledger Profile / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- AssetProfile — identity, denomination and transfer rules
- ExactBalance — atomic units and evidence
- TransferProposal — source, destination and scope
- AssetReceipt — conserved state and lineage

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT 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.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJ Digital Twin / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ObservedState — actual received data
- PredictedState — candidate continuation or placement
- Comparison — difference with confidence and uncertainty
- TwinReceipt — observation, prediction and evidence boundary

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJ Quantum Water Protection / Teal

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

IF / HOW / THEN CONTRACT

IF

A water-system design or protective action is evaluated.

HOW

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

THEN

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

TYPED EVIDENCE

- WaterSystemBoundary — components and intended purpose
- Measurement — units, sensor or simulation origin
- ProtectionProposal — proposed bounded action
- ValidationRecord — software, bench or field evidence

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT 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.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Cloud / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System
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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ProjectManifest — source, documents and versions
- WorkspaceAction — edit, import, build or restore
- AccessContext — actor and declared scope
- WorkspaceReceipt — artifact, checkpoint and status

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Workspace / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

Expose a traceable project view and explicit recovery boundary.

TYPED EVIDENCE

- ProjectManifest — files and version lineage
- ImportRecord — original and derived artifact
- ExperimentRecord — inputs, outputs and context
- RecoveryCheckpoint — verified save and restore record

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Physics Lab / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

A learner changes a documented example or experiment.

HOW

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

THEN

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

TYPED EVIDENCE

- Lesson — concept and versioned source
- ExperimentInput — value, unit and assumption
- ExampleResult — computed or illustrative output
- LearningEvidence — execution environment and limits

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Statistics Lab / Teal

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

IF / HOW / THEN CONTRACT

IF

A learner changes a documented example or experiment.

HOW

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

THEN

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

TYPED EVIDENCE

- Lesson — concept and versioned source
- ExperimentInput — value, unit and assumption
- ExampleResult — computed or illustrative output
- LearningEvidence — execution environment and limits

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJ Encrypted Message API / Teal

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

IF / HOW / THEN CONTRACT

IF

A request arrives under the documented protocol.

HOW

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

THEN

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

TYPED EVIDENCE

- ProtocolRequest — endpoint, version and payload
- AuthenticationEvidence — key-bound integrity result
- ProtocolDecision — accepted or rejected with reason
- ResponseReceipt — result and documented limitations

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Interoperability / Teal

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

IF / HOW / THEN CONTRACT

IF

A host language calls a documented Bangel interface.

HOW

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

THEN

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

TYPED EVIDENCE

- BindingContract — language and protocol version
- TypedRequest — representation and effects
- InteropResult — output or named failure
- ParityEvidence — platform and matching contract

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Teaching Pathway / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- LearningObjective — supported concept
- WorkedExample — source and grammar profile
- Comparison — C# and Bangel behavior
- PracticeEvidence — expected result and explanation

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Java Work Order API / Teal

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

IF / HOW / THEN CONTRACT

IF

A learner changes a documented example or experiment.

HOW

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

THEN

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

TYPED EVIDENCE

- Lesson — concept and versioned source
- ExperimentInput — value, unit and assumption
- ExampleResult — computed or illustrative output
- LearningEvidence — execution environment and limits

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Artifact Integrity Service / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

Produce a reviewable specification and explicit implementation status.

TYPED EVIDENCE

- ProposedCapability — purpose and scope
- ArtifactManifest — paths, sizes and hashes
- DifferenceReport — added, missing or changed entries
- ImplementationEvidence — source and test status

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Manifest / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

A creator or visitor explores the Manifest prototype.

HOW

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

THEN

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

TYPED EVIDENCE

- CreatorProfile — declared public presentation
- BookingIntent — proposed service and availability
- PrototypeEvent — simulated interaction
- IntegrationStatus — connected or pending service

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Tide Casa / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

A client defines a website or application need.

HOW

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

THEN

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

TYPED EVIDENCE

- ClientBrief — business need and scope
- ProductConfiguration — selected workflow and presentation
- DeliveryRecord — build, preview and release state
- OperatingEvidence — observed capability and limits

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Variance Capture / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System
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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Variance Pool / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Rain / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Umbrella / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Smoke / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

BlueWater / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

A local business selects a documented BlueWater service.

HOW

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

THEN

Produce the supported service outline and next measurable delivery step.

TYPED EVIDENCE

- MarketProfile — location and customer need
- ServiceBrief — scope and deliverables
- PilotEvidence — observed customer workflow
- DeliveryRecord — approved state and support boundary

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Lola / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

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IF / HOW / THEN CONTRACT

IF

A customer asks Lola for service or planning guidance.

HOW

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

THEN

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

TYPED EVIDENCE

- CustomerIntent — stated need and context
- ServiceKnowledge — approved scope and wording
- Recommendation — bounded option and explanation
- HandoffRecord — unresolved question and human owner

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Leverage Analyst / Teal

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

IF / HOW / THEN CONTRACT

IF

A football play or film window is selected for analysis.

HOW

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

THEN

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

TYPED EVIDENCE

- PlaybookEntry — model geometry and assignments
- FilmObservation — frame, timestamp and confidence
- ContextRecord — external play-by-play or coaching input
- AnalysisReceipt — measured versus modeled conclusion

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Leverage Physics Lab / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

Explain the derived educational measurement without implying automated film evidence.

TYPED EVIDENCE

- VideoReference — local or embedded source
- FieldCalibration — landmarks and coordinate transform
- TrackedPoint — time, position and confidence
- EducationalReceipt — calculation and limitations

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Cybernetic Framework / Teal

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

IF / HOW / THEN CONTRACT

IF

A system compares an intended outcome with an observed state.

HOW

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

THEN

Record the admitted response and its observed consequence for reconciliation.

TYPED EVIDENCE

- TargetState — desired bounded outcome
- Measurement — actual state and uncertainty
- AuthorizedCorrection — permitted response
- Reconciliation — observed consequence and retained difference

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJos Software Supply Trust / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- ReleaseArtifact — source and build lineage
- CryptographicInventory — observed dependency evidence
- ReleaseAuthorization — permitted signing or distribution scope
- RecoveryEvidence — rehearsed response and retained history

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJos Marine Trust / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- SupplierArtifact — firmware or software provenance
- VesselIntegration — system and version
- ServiceEvent — observed maintenance action
- TrustDecision — evidence-based permitted operation

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

QSHM / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

A hardware concept is included in a system design.

HOW

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

THEN

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

TYPED EVIDENCE

- HardwareConcept — intended role and interface
- EvidenceRequirement — bench, device or integration proof
- InterfaceContract — bounded inputs and outputs
- ResearchStatus — proposed, modeled or measured

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Trust Gateway / Teal

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

IF / HOW / THEN CONTRACT

IF

A hardware concept is included in a system design.

HOW

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

THEN

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

TYPED EVIDENCE

- HardwareConcept — intended role and interface
- EvidenceRequirement — bench, device or integration proof
- InterfaceContract — bounded inputs and outputs
- ResearchStatus — proposed, modeled or measured

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJ Marine / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- VesselProfile — operating boundary and duty cycle
- EngineeringAlternative — component or configuration option
- ModelEvidence — assumptions, inputs and validation
- DecisionReport — comparison and remaining uncertainty

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Marine Design-Decision Twin / Teal

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

IF / HOW / THEN CONTRACT

IF

A marine design decision is selected before hardware commitment.

HOW

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

THEN

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

TYPED EVIDENCE

- DecisionBoundary — vessel, question and alternatives
- OperatingProfile — load and duty cycle
- TwinResult — propulsion, thermal or energy estimate
- ValidationPlan — measurements needed to test the result

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

MJ Physics Digital Twins / Teal

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

IF / HOW / THEN CONTRACT

IF

A physical system requires a design or control comparison.

HOW

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

THEN

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

TYPED EVIDENCE

- PhysicalSystem — declared boundary
- ModelState — equations and assumptions
- Observation — measured input and provenance
- DecisionEvidence — comparison and supported conclusion

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Effect / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

Retain the research claim at the evidence level actually supported.

TYPED EVIDENCE

- ResearchDefinition — named effect and scope
- PhysicalModel — established laws and assumptions
- PredictedDifference — testable model outcome
- ExperimentalEvidence — observation or unresolved measurement

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Media Compressor / Teal

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

IF / HOW / THEN CONTRACT

IF

A media transformation or compression candidate is proposed.

HOW

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

THEN

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

TYPED EVIDENCE

- MediaSource — original bytes and provenance
- CodecProfile — implementation and supported subset
- CandidateTrial — proposed reversible path and resource evidence
- DecodeEvidence — independent restoration, quality and performance

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel C++ Service Adapter / Teal

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

IF / HOW / THEN CONTRACT

IF

A host application sends a request through the adapter.

HOW

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

THEN

Return the documented result with platform and contract coverage attached.

TYPED EVIDENCE

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

JP C++ Decimal Library / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- DecimalValue — exact representation and scale
- NumericOperation — supported operation and rounding rule
- MemoryContract — owner and lifetime
- NumericEvidence — expected result and test profile

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT 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.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Rust Service Adapter / Teal

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

IF / HOW / THEN CONTRACT

IF

A host application sends a request through the adapter.

HOW

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

THEN

Return the documented result with platform and contract coverage attached.

TYPED EVIDENCE

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 jpservice - IF / HOW / THEN logic

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

R jpservice / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

A host application sends a request through the adapter.

HOW

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

THEN

Return the documented result with platform and contract coverage attached.

TYPED EVIDENCE

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

DISCOVERY NAMES

R jpservice

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 - IF / HOW / THEN logic

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

R jpdecimal / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- DecimalValue — exact representation and scale
- NumericOperation — supported operation and rounding rule
- MemoryContract — owner and lifetime
- NumericEvidence — expected result and test profile

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Studios / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

A musical sequence is created or edited.

HOW

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

THEN

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

TYPED EVIDENCE

- BeatDocument — grid, tempo, lanes and events
- AudioProfile — instrument and processing settings
- ProjectState — user controls and saved version
- PlaybackEvidence — timing and export observations

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

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

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Drums / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

A musical sequence is created or edited.

HOW

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

THEN

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

TYPED EVIDENCE

- BeatDocument — grid, tempo, lanes and events
- AudioProfile — instrument and processing settings
- ProjectState — user controls and saved version
- PlaybackEvidence — timing and export observations

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT 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.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Infinity / Teal

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

IF / HOW / THEN CONTRACT

IF

The named audio-processing profile is applied to an eligible studio input.

HOW

Trace the actual processing path and controls and compare output with the original rather than inferring superiority from the profile name.

THEN

Document the supported studio result and any independent-validation gap.

TYPED EVIDENCE

- AudioInput — source and provenance
- ProcessingProfile — named controls and limits
- RenderedOutput — format and timing
- ComparisonEvidence — observed change and fidelity

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT 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.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Bangel Compiler Lab / Teal

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

IF / HOW / THEN CONTRACT

IF

A compiler-lab source or codec stage is evaluated.

HOW

Compile only the supported profile through Elsa, preserve JP identity and distinguish completed development slices from blocked dependencies.

THEN

Produce the profile-qualified artifact and current implementation status.

TYPED EVIDENCE

- SourceProfile — admitted syntax and version
- TypedRepresentation — JP-IR identity and constraints
- DevelopmentStage — implemented, partial or held
- ConformanceEvidence — exact fixture and expected result

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

Compile an unsupported backend or codec request through Elsa; preserve a precise unsupported result instead of claiming all staged backends are implemented.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

MJPE-COMPLETE-20260925-BANGEL-DEBT-ANALYTICS-TEAL | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Debt Analytics / Teal

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

IF / HOW / THEN CONTRACT

IF

An analytical construct is estimated from declared inputs.

HOW

Use one versioned construct definition and a traceable scoring policy, keeping calibration evidence separate from model design.

THEN

Return a qualified estimate and the evidence needed before decision or performance claims.

TYPED EVIDENCE

- ConstructDefinition — concept and version
- ComponentMeasure — data, units and direction
- ScoringPolicy — normalization, weights and aggregation
- ValidationEvidence — calibration and uncertainty

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

Vary one debt-model input with fixed calibration rules; show how scores change and keep exploratory prioritization separate from a validated financial conclusion.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Construct Framework / Teal

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

IF / HOW / THEN CONTRACT

IF

An analytical construct is estimated from declared inputs.

HOW

Use one versioned construct definition and a traceable scoring policy, keeping calibration evidence separate from model design.

THEN

Return a qualified estimate and the evidence needed before decision or performance claims.

TYPED EVIDENCE

- ConstructDefinition — concept and version
- ComponentMeasure — data, units and direction
- ScoringPolicy — normalization, weights and aggregation
- ValidationEvidence — calibration and uncertainty

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

Reverse an input orientation and remove a required weight; preserve the normalization rule and expose the missing aggregation prerequisite.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

MJPE-COMplete-20260925-BLUEWATER-STUDIO-TEAL | Recovered historical or requested identity — documentary reconstruction; execution not rerun

BlueWater Studio / Teal

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

IF / HOW / THEN CONTRACT

IF

A client defines a website or application need.

HOW

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

THEN

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

TYPED EVIDENCE

- ClientBrief — business need and scope
- ProductConfiguration — selected workflow and presentation
- DeliveryRecord — build, preview and release state
- OperatingEvidence — observed capability and limits

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

Promote a client preview through a proposed release workflow; require the correct client identity and approved content before recording a published result.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

MJPE-COMPLETE-20260925-BANGEL-DOCUMENT-LIBRARY-TEAL | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Document Library / Teal

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

IF / HOW / THEN CONTRACT

IF

A document or historical collection is added to the library.

HOW

Preserve its source identity and coverage, apply current display terminology and distinguish indexed text from recovered original bytes.

THEN

Provide searchable, traceable records with missing sources and historical boundaries visible.

TYPED EVIDENCE

- DocumentIdentity — project, color and source version
- PageReference — original page and derived edition
- SearchEntry — indexed text and provenance
- CoverageRecord — included, excluded or unavailable source

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

Search the same term by color, project and page; preserve source lineage and distinguish historical archive records from rewritten documentation.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

MJPE-COMPLETE-20260925-BANGEL-VISUAL-EFFECTS-TEAL | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Visual Effects / Teal

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

IF / HOW / THEN CONTRACT

IF

The Bangel Visual Effects identity is prepared for the catalog.

HOW

Recover its original scope and compare it with Lecanto and Bangel Effect without assuming they are the same product.

THEN

Show the requested identity with a source-recovery status until its independent capabilities are grounded.

TYPED EVIDENCE

- ProjectIdentity — user-confirmed name
- SourceReference — pending original specification
- ProposedScope — unconfirmed product boundary
- RecoveryGap — evidence still required

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

Compare a transformation against its source image and requested effect; document the exact transformation and keep scientific-effect claims outside unverified VFX scope.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Silent Guardian / Teal

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

IF / HOW / THEN CONTRACT

IF

A transaction supplies an eligible observation under a declared Silent Guardian profile.

HOW

Bind telemetry origin and provenance, update the deterministic estimate within its bounds, and retain the observed outcome and any proposed correction separately.

THEN

Record the refinement and evidence receipt; leave unsupported integration and physical claims explicit.

TYPED EVIDENCE

- TelemetryRecord — authenticated or simulated origin, measurement and provenance
- RefinementState — deterministic estimate and covariance
- BoundedCorrection — proposed change and declared authority
- ObserverReceipt — baseline, evidence and preserved outcome

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

Mix authenticated telemetry with simulated samples and exceed a correction envelope; preserve provenance, enforce bounds and report incomplete instrumentation.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Aviator Cloud / Teal

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

IF / HOW / THEN CONTRACT

IF

The Aviator Cloud project lane is described or linked.

HOW

Reconcile Aviator workspace, Bangel Cloud and Shekina roles while preserving their separate implementation and hosting evidence.

THEN

Present the requested cloud-facing identity and the exact source/deployment gaps.

TYPED EVIDENCE

- WorkspaceIdentity — Aviator product lane
- ServiceBoundary — local or hosted responsibility
- ContinuityReference — related Shekina role
- DeploymentEvidence — actual connected environment

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

Describe a cloud task without a recovered deployment contract; retain the proposed workspace relationship and mark hosting, execution and continuity support as unresolved.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

MJPE-COMPLETE-20260925-MJOS-NEUROLOGICAL-MODEL-TEAL | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Neurological Model / Teal

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

IF / HOW / THEN CONTRACT

IF

A neural or recalled pattern contributes to a proposed decision.

HOW

Retain observations, compare context and alternatives, preserve lowercase research states separately from runtime states and apply independent supervision.

THEN

Record a qualified software result without treating biological analogy as biological validation.

TYPED EVIDENCE

- Observation — retained input and context
- MemoryCandidate — recalled relation with uncertainty
- PredictiveProposal — candidate outcome
- SupervisionDecision — independent gate and trace

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

Retrieve a similar memory in a different context; preserve relation and uncertainty, then require independent supervision before any proposed decision is admitted.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

MJPE-COMplete-20260925-MERMAID-QUANTUM-BLOCKCHAIN-TEAL | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Mermaid Quantum Blockchain / Teal

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

IF / HOW / THEN CONTRACT

IF

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

HOW

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

THEN

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

TYPED EVIDENCE

- LedgerInstruction — asset, account and intended operation
- ExactAmount — units, scale and conservation rule
- AdmissionEvidence — identity, scope and validated conditions
- LedgerReceipt — before/after state, evidence and reconciliation

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT 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.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

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

Perth / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

A system compares an intended outcome with an observed state.

HOW

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

THEN

Record the admitted response and its observed consequence for reconciliation.

TYPED EVIDENCE

- TargetState — desired bounded outcome
- Measurement — actual state and uncertainty
- AuthorizedCorrection — permitted response
- Reconciliation — observed consequence and retained difference

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT CHALLENGE

Import a historical module into the consolidation map; preserve its historical status and prevent documentation inclusion from marking it active or integrated.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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 - IF / HOW / THEN logic

MJPE-COMplete-20260925-LIVING-WATER-TEAL | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Quantum: Living Water / Teal

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

IF / HOW / THEN CONTRACT

IF

An existing water facility or community scenario supplies its scale, measurements, engineering assumptions and operating limits.

HOW

Model water and energy flows, expose cost assumptions, capture variance and QSHM evidence, and evaluate bounded recovery proposals under operator authority.

THEN

Produce a traceable design or retrofit scenario, state what is verified, and hold physical deployment claims until their own evidence exists.

TYPED EVIDENCE

- FacilityContext — existing process, scale and purpose
- OperatingEvidence — units, calibration, uncertainty and provenance
- ScenarioBudget — assumptions and projections separated from verified savings
- WaterSystemReceipt — accepted or held outcome, authority and lineage

FAILURE AND MISSINGNESS

Preserve UNKNOWN separately from zero and source identity separately from truth. Missing required evidence remains a typed error or HOLD under the named profile. Failed permission remains DENY.

PROJECT 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.

RECONCILIATION

Append later results or discrepancies to the original evidence; do not rewrite a prediction into an earlier observation.

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.