



MANCHINE AI TECHNOLOGY LLC

RUNTIME GOVERNANCE STANDARDS SERIES

RGSR-01

RUNTIME GOVERNANCE STANDARDS REGISTRY

ADMINISTRATIVE REGISTRY (NON-NORMATIVE)

DOCUMENT STATUS

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RUNTIME INTEGRITY AND CONTINUITY

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ABSTRACT

The Runtime Governance Standards Registry (RGSR-01) serves as the official catalog of the Runtime Governance Standards Series. It defines the structure, organization, status, and relationships of all publications within the standards family and provides guidance for their management and evolution. This document is administrative in nature and does not impose normative requirements.

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HUMANS FIRST.

CONTINUITY ALWAYS.

ARCHITECTURE MUST SURVIVE.

1. Purpose

1.1 Purpose of the Registry

The **Runtime Governance Standards Registry (RGSR-01)** serves as the authoritative administrative catalog of the Runtime Governance Standards Family. It establishes the official record of all published standards, research publications, behavioral specifications, artifact specifications, conformance requirements, implementation guidance, and future reserved identifiers. The Registry provides a single source of truth for document identification, publication status, version management, and standards governance.

1.2 Scope

This Registry defines the organizational structure and administrative relationships of the Runtime Governance Standards Family. It records the official identifiers, titles, classifications, publication status, version history, and dependency relationships of standards maintained by ManChine AI Technology LLC.

RGSR-01 is administrative in nature and does not establish normative architectural, behavioral, implementation, or conformance requirements. Those responsibilities remain within their respective Runtime Governance specifications.

Administrative statements within this Registry using the term "shall" apply exclusively to the governance, maintenance, and publication management of the Runtime Governance Standards Registry. They do not establish normative technical requirements for Runtime Governance implementations or specifications.

1.3 Audience

This Registry is intended for:

- Standards authors and editors
- Technical reviewers
- Standards governance bodies
- Software architects
- System implementers
- Certification authorities

- Academic researchers
- Industry partners
- Organizations adopting the Runtime Governance Standards Family

The Registry provides a common administrative reference for identifying and managing standards throughout their publication lifecycle.

1.4 Relationship to the Runtime Governance Standards Family

RGSR-01 complements, but does not replace, the Runtime Governance Standards Family.

It records the official organization and publication status of each specification while preserving the separation of responsibilities defined by the standards themselves.

The Registry does not define terminology, architectural principles, behavioral requirements, governance artifacts, or implementation guidance. Those responsibilities remain assigned to their respective specifications within the Runtime Governance Standards Family.

Accordingly:

- **Research Publications** provide the conceptual and research foundation.
- **Core Runtime Governance Standards** establish the constitutional vocabulary, foundational principles, and reference architecture.
- **Capability & Artifact Standards** define normative runtime behaviors and governance artifacts.
- **Conformance Requirements** establish validation and certification criteria.
- **Implementations** realize the standards through independent software, hardware, services, SDKs, APIs, and platforms.
- **Assessment & Certification** evaluates conformance to the Runtime Governance Standards Family.

RGSR-01 serves as the administrative record that maintains the integrity, traceability, and lifecycle management of the complete standards ecosystem.

2. Registry Principles

The Runtime Governance Standards Registry is maintained according to a defined set of administrative principles intended to preserve the integrity, stability, and long-term governance of the Runtime Governance Standards Family. These principles ensure that all standards remain consistently identified, traceable, and managed throughout their publication lifecycle.

2.1 Single Source of Truth

RGSR-01 is the authoritative administrative record for the Runtime Governance Standards Family.

The Registry maintains the official identifiers, titles, classifications, publication status, version information, and organizational relationships of every Runtime Governance publication. Where administrative discrepancies arise between documents, the Registry serves as the definitive reference for publication metadata and document governance.

2.2 Identifier Stability

Each Runtime Governance publication shall be assigned a unique identifier that remains permanently associated with that publication throughout its lifecycle.

Identifiers shall not be reused, reassigned, or repurposed for different specifications, regardless of revision history, publication status, or retirement.

Where a publication is superseded or withdrawn, its identifier shall remain reserved as part of the permanent historical record.

2.3 Publication Governance

All publications within the Runtime Governance Standards Family shall be recorded within the Registry before public release.

The Registry records:

- Publication identifier
- Official title
- Classification

- Category
- Publication status
- Version
- Publication date
- Dependency relationships

The Registry does not approve technical content; it records the administrative status of published standards and associated publications.

2.4 Version Management

Each publication shall maintain a documented version history.

Administrative revisions, editorial corrections, and technical revisions shall be managed using published version numbers appropriate to the significance of the change.

The Registry records only the current official version of each publication while preserving historical revision records where applicable.

2.5 Deprecation Policy

Standards may be superseded, withdrawn, or deprecated through the Runtime Governance publication process.

When a publication is deprecated:

- Its identifier shall remain permanently reserved.
- Its publication history shall remain part of the Registry.
- Successor publications shall be identified where applicable.
- Existing references shall continue to resolve to the historical publication record.

Deprecation does not remove a publication from the Registry. Instead, the Registry preserves the historical continuity and traceability of the Runtime Governance Standards Family throughout its evolution.

These principles ensure that the Runtime Governance Standards Registry remains a stable administrative foundation supporting the integrity, traceability, and long-term governance of the Runtime Governance Standards Family.

3. Runtime Governance Publication Hierarchy

The Runtime Governance Standards Family is organized into a structured publication hierarchy that distinguishes informative research, normative standards, capability specifications, governance artifacts, implementation guidance, and certification activities. This hierarchy establishes the official administrative organization of all Runtime Governance publications maintained within the Registry.

Each publication is assigned to a single category according to its primary responsibility within the standards ecosystem.

3.1 Research & Publications (Informative)

Research and Publications communicate the conceptual development, architectural evolution, research findings, and implementation experiences that support the Runtime Governance Standards Family. These publications are informative in nature and do not establish normative requirements.

Identifier	Official Title	Status	Version
WP-001	Artificial Intelligence Governance: Beyond Static Compliance	Published	1.0
WP-002	Runtime Governance: Sustaining Legitimacy During Consequential Execution	Published	1.0
WP-003	Operational Continuity and Legitimacy Continuity	Published	1.0
WP-004	Continuous Governance for Consequential Systems	Published	1.0
WP-005	Toward a Runtime Governance Framework	Published	1.0
AC-01	From Research to Architecture: Interpreting the Runtime Governance Standards	Published	1.0

3.2 Core Runtime Governance Standards (Normative)

The Core Runtime Governance Standards establish the constitutional foundation of the Runtime Governance Standards Family. These specifications define the common vocabulary, foundational architectural principles, and reference architecture upon which all Runtime Governance specifications are based.

Identifier	Official Title	Status	Version
RGV-01	Runtime Governance Vocabulary	Published	1.0
RGAF-01	Runtime Governance Architecture Foundations	Technical Review	1.0
RGRA-01	Runtime Governance Reference Architecture	Technical Review	1.0

3.3 Capability & Artifact Standards

Capability & Artifact Standards extend the constitutional standards by defining normative runtime behaviors, governance artifacts, and future composition mechanisms. These specifications remain aligned with the constitutional layer while preserving clear separation between behavioral responsibilities, governance artifacts, and implementation technologies.

Behavioral Specifications

Behavioral Specifications define the normative responsibilities governing runtime decision-making, evaluation, execution boundaries, and runtime integrity.

Identifier	Official Title	Status	Version
RDL-01	Runtime Decision Lifecycle	Reserved	Planned
RGE-01	Runtime Governance Evaluation	Published	1.0
REB-01	Runtime Execution Boundary	Reserved	Planned
RiCo-01	Runtime Integrity Control	Reserved	Planned

Artifact Specifications

Artifact Specifications define the standardized governance artifacts and information structures supporting interoperability, traceability, and governance accountability.

Identifier	Official Title	Status	Version
ROPS-01	Runtime Observation Payload Specification	Reserved	Planned
GR-01	Governance Receipt	Reserved	Planned

Future Composition Specifications

Composition Specifications define standardized methods for assembling Runtime Governance capabilities into reusable governance profiles and deployment configurations.

Identifier	Official Title	Status	Version
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Governance Profiles Reserved		Planned	—
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4. Conformance Requirements

Conformance Requirements define the administrative framework through which implementations may demonstrate alignment with the Runtime Governance Standards Family. These requirements establish the basis for evaluating consistency, interoperability, and adherence to published Runtime Governance specifications.

RGSR-01 records the existence and administrative organization of conformance activities. It does not define technical conformance criteria, testing procedures, or certification methodologies. Those responsibilities are assigned to dedicated Conformance Specifications as they are published.

4.1 Test Criteria

Test Criteria establish the measurable conditions against which Runtime Governance implementations are evaluated.

Future Test Criteria Specifications may define:

- Functional conformance requirements
- Behavioral verification requirements
- Artifact validation requirements
- Interoperability requirements
- Compliance evaluation procedures

The Registry records published Test Criteria Specifications as part of the Runtime Governance Standards Family.

4.2 Validation Suites

Validation Suites provide standardized methods for verifying conformance with Runtime Governance specifications.

Future Validation Suites may include:

- Reference test suites
- Behavioral validation scenarios
- Artifact validation procedures

- Interoperability verification
- Automated conformance testing

Validation Suites support consistent evaluation across independent Runtime Governance implementations.

4.3 Certification Profiles

Certification Profiles establish standardized conformance levels that organizations or implementations may achieve through successful evaluation.

Future Certification Profiles may define:

- Certification levels
- Assessment criteria
- Scope of certification
- Renewal requirements
- Conformance maintenance procedures

Certification Profiles provide a consistent administrative framework for recognizing implementations that successfully demonstrate conformance with the Runtime Governance Standards Family.

Administrative Note

Conformance Requirements define **how compliance is evaluated**, not **how Runtime Governance systems are designed or implemented**. Technical architecture, runtime behavior, governance artifacts, and implementation responsibilities remain defined by their respective Runtime Governance specifications.

5. Implementations

Implementations represent practical realizations of the Runtime Governance Standards Family. They apply the normative requirements defined by the Runtime Governance specifications within software, hardware, services, and operational environments.

The Registry records implementation categories and their administrative relationship to the standards. It does not prescribe implementation design, programming languages, deployment architectures, or commercial products.

Independent implementations may differ in architecture, technology, and deployment while remaining fully conformant with the Runtime Governance Standards Family.

5.1 Reference Implementations

Reference Implementations demonstrate one validated realization of one or more Runtime Governance specifications.

Their purpose is to:

- Illustrate normative requirements.
- Support standards interpretation.
- Provide implementation guidance.
- Demonstrate interoperability.
- Assist conformance validation.

Reference Implementations are informative and are not themselves normative specifications.

5.2 Independent Implementations

Independent Implementations are developed by organizations or individuals using technologies of their own choosing while conforming to the Runtime Governance Standards Family.

Conformance is determined through published Runtime Governance Conformance Requirements rather than implementation methodology.

Independent implementations may include:

- Commercial software

- Enterprise platforms
 - Open-source projects
 - Embedded systems
 - Government deployments
 - Academic implementations
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5.3 Software Development Kits (SDKs)

Software Development Kits provide implementation tools that assist developers in building Runtime Governance compliant systems.

Future SDKs may include:

- Reference libraries
- Client SDKs
- Language-specific toolkits
- Testing utilities
- Integration components

SDKs support implementation but do not establish normative requirements.

5.4 Application Programming Interfaces (APIs)

Application Programming Interfaces provide standardized methods for exchanging Runtime Governance information between systems.

Future API specifications may define:

- Governance services
- Validation services
- Registry services
- Artifact exchange
- Conformance interfaces

APIs facilitate interoperability while remaining independent of implementation technologies.

5.5 Platforms

Platforms represent operational environments that implement, integrate, or extend Runtime Governance capabilities.

Platforms may include:

- Enterprise governance systems
- Cloud-native deployments
- Edge computing environments
- Embedded Runtime Governance systems
- Industry-specific governance platforms

Commercial products developed by ManChine AI Technology LLC or third parties remain independent implementations and are not part of the normative Runtime Governance Standards Family unless explicitly incorporated through published standards.

Administrative Note

Implementations realize the Runtime Governance Standards Family but do not define it. The constitutional standards, behavioral specifications, artifact specifications, and conformance requirements remain the authoritative source of normative Runtime Governance requirements.

Multiple independent implementations may conform to the Runtime Governance Standards Family. No single implementation, product, or organization constitutes the standard itself.

6. Assessment & Certification

Assessment & Certification establish the administrative processes through which Runtime Governance implementations, conformance activities, and published standards are evaluated and maintained throughout their lifecycle.

The Registry records the existence and status of assessment and certification activities but does not define the technical assessment methodologies or certification procedures. Those responsibilities remain assigned to future Conformance Specifications and Certification Profiles.

6.1 Certification Process

The Certification Process provides the administrative framework for recognizing implementations that successfully demonstrate conformance with the Runtime Governance Standards Family.

Future Certification Specifications may define:

- Certification eligibility
- Assessment procedures
- Conformance evidence requirements
- Certification levels
- Renewal and maintenance requirements
- Suspension or revocation procedures

Certification confirms conformance to published Runtime Governance specifications and does not imply ownership of, or authority over, the standards themselves.

6.2 Registry Maintenance

The Runtime Governance Standards Registry shall be maintained as the official administrative record of the Runtime Governance Standards Family.

Registry maintenance includes:

- Recording newly published specifications
- Updating publication status

- Recording version changes
- Maintaining identifier integrity
- Preserving historical publication records
- Recording deprecated or superseded publications
- Maintaining dependency relationships

Administrative updates to the Registry shall not alter the normative content of any published Runtime Governance specification.

6.3 Standards Compliance

Standards Compliance represents the successful demonstration that an implementation conforms to the applicable Runtime Governance specifications through established assessment procedures.

Compliance shall be evaluated against published Conformance Requirements and Certification Profiles rather than implementation technologies, programming languages, commercial products, or deployment environments.

Multiple independent implementations may achieve compliance while employing different technical architectures, provided they satisfy the applicable Runtime Governance requirements.

Administrative Note

Assessment and Certification provide confidence in conformance while preserving the independence of the Runtime Governance Standards Family. The Registry records certification status and publication governance but does not define technical certification criteria or implementation methodologies.

7. Reading Order

The Runtime Governance Standards Family is organized to support progressive understanding of Runtime Governance concepts, principles, architecture, operational behavior, implementation, and certification.

The recommended reading order reflects the educational progression of the standards rather than their dependency relationships. Readers are encouraged to follow this sequence when first becoming familiar with the Runtime Governance Standards Family.

7.1 Recommended Reading Sequence

1. Research Publications (Informative)

Research Publications introduce the motivation, conceptual development, and evolution of Runtime Governance. These publications provide historical context and explain the challenges that led to the development of the Runtime Governance Standards Family.

2. RGV-01 — Runtime Governance Vocabulary

The Vocabulary establishes the common language used throughout the Runtime Governance Standards Family. Readers should understand the normative meaning of key Runtime Governance terminology before progressing to subsequent specifications.

3. RGAF-01 — Runtime Governance Architecture Foundations

Architecture Foundations establish the constitutional principles and foundational concepts upon which the Runtime Governance Standards Family is based.

4. RGRA-01 — Runtime Governance Reference Architecture

The Reference Architecture defines the organization, responsibilities, and relationships among Runtime Governance components while preserving the separation of concerns established by the constitutional standards.

5. Behavioral Specifications

Behavioral Specifications define the normative runtime behaviors governing evaluation, decision lifecycle management, execution boundaries, and runtime integrity.

6. Artifact Specifications

Artifact Specifications define the governance artifacts, payloads, and information structures exchanged between Runtime Governance components.

7. Conformance Requirements

Conformance Requirements establish the methods used to evaluate implementations against published Runtime Governance specifications.

8. Implementations

Implementation guidance demonstrates practical realization of the Runtime Governance Standards Family through software, hardware, services, SDKs, APIs, and platforms.

9. Assessment & Certification

Assessment and Certification describe how implementations demonstrate conformance through published certification processes and administrative evaluation procedures.

Administrative Note

The recommended reading order is provided solely to facilitate understanding of the Runtime Governance Standards Family. It does not establish normative dependency relationships between specifications. Individual standards remain independently authoritative within their defined scope and responsibilities.

The Runtime Governance Standards Family is intended to be understood progressively, governed constitutionally, implemented independently, and assessed objectively.

8. Dependency Matrix

The Runtime Governance Standards Family is organized through explicit dependency relationships that define how specifications build upon previously established standards.

A dependency indicates that a specification relies upon the concepts, terminology, principles, or architectural responsibilities established by another specification. Dependencies do **not** imply implementation order, execution sequence, or operational precedence unless explicitly defined within the referenced specification.

The Registry records these dependency relationships to support publication governance, editorial consistency, and long-term maintenance of the Runtime Governance Standards Family.

Specification Depends On

RGAF-01	RGV-01
RGRA-01	RGV-01, RGAF-01
RDL-01	RGRA-01
RGE-01	RGRA-01
REB-01	RGE-01
RiCo-01	REB-01
ROPS-01	RGRA-01
GR-01	ROPS-01

8.1 Dependency Principles

The Runtime Governance Standards Family observes the following dependency principles:

- **Vocabulary precedes architecture.** All normative terminology originates within RGV-01.
- **Foundations precede architecture.** Architectural principles established by RGAF-01 support the Reference Architecture.
- **Architecture precedes behavioral specifications.** Behavioral Specifications derive their responsibilities from the Reference Architecture.

- **Behavior precedes governance artifacts where applicable.** Artifact Specifications support the exchange, recording, and verification of Runtime Governance information.
 - **Conformance follows publication.** Conformance Requirements evaluate published specifications without modifying their normative content.
 - **Implementations depend upon published standards rather than unpublished drafts.**
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Administrative Note

The Dependency Matrix is maintained for administrative governance and publication management. It records editorial and architectural dependencies between specifications but does not prescribe implementation sequencing or runtime execution order.

Future specifications added to the Runtime Governance Standards Family shall include their dependency relationships within this Registry upon publication.

9. Registry Maintenance

The Runtime Governance Standards Registry shall be maintained as the authoritative administrative record of the Runtime Governance Standards Family.

Registry maintenance preserves the integrity, traceability, and continuity of all Runtime Governance publications throughout their lifecycle. Administrative updates to the Registry shall accurately reflect the publication status of standards without modifying their normative content.

9.1 Change Management

Changes to the Registry shall be managed through a controlled administrative process to ensure the continued accuracy and integrity of the Runtime Governance Standards Family.

Administrative changes may include:

- Registration of newly published specifications
- Publication status updates
- Version updates
- Title corrections

- Classification updates
- Dependency updates
- Editorial corrections
- Deprecation or withdrawal notices

Every administrative revision shall preserve the historical record of previously published standards.

9.2 Version History

The Registry shall maintain the current official version of each Runtime Governance publication.

Version numbers shall accurately reflect the publication status of each specification while preserving historical revision information.

Administrative updates to the Registry do not modify the technical content of individual Runtime Governance specifications.

Future revisions of the Registry shall include an updated revision history identifying significant administrative changes.

9.3 Publication Policy

All Runtime Governance publications shall be recorded within the Registry before public release.

Each publication shall include, where applicable:

- Official Identifier
- Official Title
- Publication Category
- Classification
- Publication Status
- Current Version
- Publication Date
- Dependency Relationships

The Registry serves as the authoritative administrative reference for publication management across the Runtime Governance Standards Family.

9.4 Future Standards Allocation

The Runtime Governance Standards Family is intended to evolve through the publication of additional constitutional, behavioral, artifact, composition, conformance, implementation, and administrative specifications.

Future document identifiers shall be allocated in accordance with the publication hierarchy defined by this Registry.

Reserved identifiers shall remain protected until formally assigned through the Runtime Governance publication process.

The allocation of future identifiers shall preserve the consistency, traceability, and long-term integrity of the Runtime Governance Standards Family.

Administrative Note

RGSR-01 governs the administration of the Runtime Governance Standards Family rather than its technical architecture. The Registry records publication information, maintains identifier integrity, and supports the long-term stewardship of the standards ecosystem without altering the normative responsibilities established by individual specifications.

Closing Statement

The Runtime Governance Standards Registry provides the authoritative administrative foundation for the Runtime Governance Standards Family, ensuring that every publication remains uniquely identifiable, consistently governed, historically traceable, and aligned with the long-term evolution of Runtime Governance.

Appendix A — Identifier Registry

The Identifier Registry provides the official alphabetical record of Runtime Governance publications maintained within the Runtime Governance Standards Family.

This appendix serves as the authoritative administrative reference for publication identifiers and assists authors, editors, reviewers, implementers, and certification bodies in locating published specifications.

Identifier	Official Title	Category	Status
AC-01	From Research to Architecture: Interpreting the Runtime Governance Standards	Informative	Published
GR-01	Governance Receipt	Artifact Specification	Planned
REB-01	Runtime Execution Boundary	Behavioral Specification	Planned
RDL-01	Runtime Decision Lifecycle	Behavioral Specification	Planned
RGE-01	Runtime Governance Evaluation	Behavioral Specification	Published
RGAF-01	Runtime Governance Architecture Foundations	Constitutional Standard	Technical Review
RGRA-01	Runtime Governance Reference Architecture	Constitutional Standard	Technical Review
RGSR-01	Runtime Governance Standards Registry	Administrative Registry	Published
RGV-01	Runtime Governance Vocabulary	Constitutional Standard	Published
RiCo-01	Runtime Integrity Control	Behavioral Specification	Planned

Identifier	Official Title	Category	Status
ROPS-01	Runtime Observation Payload Specification	Artifact Specification	Planned
WP-001	Artificial Intelligence Governance: Beyond Static Compliance	Informative	Published
WP-002	Runtime Governance: Sustaining Legitimacy During Consequential Execution	Informative	Published
WP-003	Operational Continuity and Legitimacy Continuity	Informative	Published
WP-004	Continuous Governance for Consequential Systems	Informative	Published
WP-005	Toward a Runtime Governance Framework	Informative	Published

Appendix B — Revision History

The Revision History records the publication history of the Runtime Governance Standards Registry.

Version	Date	Description
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1.0	August 2026	Initial publication of the Runtime Governance Standards Registry.
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Future revisions shall document significant administrative changes while preserving the historical publication record.

Appendix C — Reserved Identifier Registry

The Reserved Identifier Registry preserves identifiers allocated for future Runtime Governance publications. Reserved identifiers shall not be reassigned for other purposes unless formally released through the Runtime Governance publication process.

Identifier	Reserved For	Status
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RG-01	Reserved	Unassigned
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Identifier Reserved For Status

RGC-01 Reserved Unassigned

RGP-01 Reserved Unassigned

RGS-01 Reserved Unassigned

RGT-01 Reserved Unassigned

Additional identifiers may be reserved through future revisions of this Registry as the Runtime Governance Standards Family expands.

Registry Declaration

RGSR-01 is an administrative registry and not a normative technical specification.

The Registry governs the publication catalog, identifier allocation, document lifecycle, and administrative organization of the Runtime Governance Standards Family. It does **not** establish technical architecture, behavioral requirements, implementation guidance, conformance criteria, or certification methodologies. Those responsibilities remain assigned to their respective Runtime Governance specifications.