

# VTI Conformance Criteria

Document ID: VTI-CONF-1.0

Status: Working Draft

Publication Date: 2026-02

Authoring Body: VTI Foundation Inc.

Infrastructure Reference Implementation: CREDA Systems

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## Document Control

Document ID	VTI-CONF-1.0
Status	Working Draft
Publication Date	2026-02
Authoring Body	VTI Foundation Inc.
Review Classification	Open Working Draft — Controlled Circulation
Supersedes	None

## Revision History

Version	Date	Description	Authoring Body
1.0	2026-02	Initial Working Draft	VTI Foundation Inc.

## 1. Purpose

Defines minimum structural requirements for systems claiming alignment with Verifiable Trust Infrastructure (VTI). Conformance is structural and **MUST** be demonstrable.

## 2. Conformance Levels

Level 0 — Terminology Reference Only: No enforcement guarantees. VTI alignment claims **NOT** permitted.

Level 1 — Deterministic Evaluation Compliance: **MUST** implement canonical evidence serialization, deterministic hashing, rule version identity binding, and replay equivalence validation.

Level 2 — Artifact-Bound Enforcement: **MUST** meet Level 1 and generate structured conformity artifacts with artifact-bound state mutation gating.

Level 3 — Namespace-Controlled Governance: **MUST** meet Level 2 and implement namespace collision resistance, rule lifecycle traceability, and cross-environment replay validation.

Level 4 — Certified Deterministic Infrastructure (Reserved): **MUST** meet Level 3 and undergo independent third-party verification under a future VTI Certification Specification.

## 3. Verification Requirements

Conformant systems **MUST** provide demonstrable evidence of canonicalization determinism, rule identity immutability, artifact recomputation validation, and mutation gating enforcement.

## 4. Prohibited Claims

Systems **SHALL NOT** claim VTI Conformant, Trust-State Certified, or Deterministic Enforcement Verified unless meeting Level 2 or higher requirements.

## 5. Versioning

This framework is version-controlled. Future revisions **MAY** introduce expanded cryptographic or governance requirements. Backward compatibility is **NOT** implied.

## **Intellectual Property Notice**

This document defines conformance requirements under the Trust-State doctrine. Publication of this Working Draft does not constitute endorsement of any specific implementation. Certification frameworks, if established, SHALL be defined in separate specifications.

## **Recommended Citation**

VTI Foundation Inc. (2026). VTI Conformance Criteria (VTI-CONF-1.0 Working Draft).