

MathGov Release Note

Release Configuration and Verification Statement
(MathGov v5.0i, rev14.27 — Option A: Manifest-Only ProofPack)

Release Composition

This publication is part of a coordinated MathGov release intended to provide a complete, auditable, and reproducible specification of the MathGov methodology.

Artifacts

MathGov Foundation Paper

The complete normative specification defining the decision cascade, admissibility constraints, governance rules, tier policies, and audit obligations. This document is non-runnable by design and defines the requirements that compliant implementations must satisfy.

MathGov Appendices Volume

A companion document providing human-readable definitions, registries, reference values, and supporting material referenced by the Foundation Paper.

MathGov ProofPack Tier-4 (manifest-only)

A machine-readable bundle containing hash-bound registries, schemas, canonicalization profiles, and deterministic replay test vectors required for Tier-4 verification.

Binding and Versioning

This release is identified as MathGov v5.0i, internal revision rev14.27. Revision labels embedded in filenames are informational only. The authoritative bindings between artifacts are defined exclusively by published SHA-256 hashes.

Binding invariant:

MathGov_ProofPack_Tier4_rev14.27_ManifestOnly_DeterministicReplay_DEMO.zip

UCI Status (Normative)

UCI_V1 is finalized and normative for rev14.x Tier-4 Pilot-Executable claims. Any modifications require UCI_V2 as a new versioned artifact referenced in the PCC and pinned in the release hash file.

Tier-4 Governance Summary

Tier-4 runs MUST derive union and dimension weights via Hybrid Democratic Weighting (HDW). Ballot minimums, abstention ceilings, determinism rules, and downgrade conditions are strictly enforced.

Scope and Completeness

The Foundation Paper is complete as a normative-engineering specification. Executable capability is claimable only when bound via PCC to the ProofPack and verified by deterministic replay.

Availability

The Foundation Paper, Appendices, and this Release Note are published on mathgov.org. The ProofPack ZIP and Release Hashes will be published via the official MathGov GitHub repository.

Interpretation

This Release Note is normative with respect to release binding and verification. Conceptual interpretation of MathGov is defined by the Foundation Paper.