

CRI Handoff Record

Project: Aurora Workflow Orchestration (AWO)

Status: Finalized methodology (v1.2.0) under Waveframe Labs governance

Successor: CRI-CORE — Continuous Research Integration Toolchain

Purpose

This record formalizes the **handoff of runtime implementation scope** from **AWO** (methodology) to **CRI-CORE** (runtime).

AWO remains the **canonical methodological reference**; CRI-CORE operationalizes the method as executable, verifiable infrastructure.

AWO defines the rules. CRI enforces them.

Scope of Transfer

The following areas move from AWO (specification) to CRI-CORE (implementation):

- **Runtime provenance and attestation** — automated capture of manifests, checksums, and signatures.
- **Validation & gates** — schema validation for runs, falsifiability checks, and audit gates.
- **Execution workflows** — reproducible runners that emit immutable `runs/<id>` artifacts.
- **Integration surfaces** — hooks for CI, evidence capture, and verification commands.

AWO **does not** add new runtime features going forward. It remains stable as a citation-grade method.

Artifact Lineage (AWO → CRI-CORE)

AWO Artifact / Concept	CRI-CORE Responsibility
Method Spec v1.2 (governance rules)	Enforced via schemas, validators, and CLI runtime
Falsifiability manifest (claims, tests)	Schema + CLI checks; fail-closed gating
Run manifest (<code>/runs/.../run_manifest.json</code>)	Generated, validated, and sealed per run
Attestation (<code>ATTESTATION.txt</code> , signatures)	Emitted + verifiable (hashes, OIDC signing where available)
Checksums (<code>SHA256SUMS.txt</code>)	Generated and verified against produced artifacts
Audit workflow (draft → audit → synthesis)	Encoded as gates / checklists → enforced in runtime

Version Boundary

- **AWO v1.2.0** is the **final** methodology line.
 - No functional changes will occur in AWO beyond **provenance or reference updates**.
 - All future implementation work proceeds in **CRI-CORE**.
-

Provenance & DOI

While Zenodo account consolidation is pending, **all AWO references SHALL use the concept DOI:**

Canonical Concept DOI: <https://doi.org/10.5281/zenodo.17013612>

Note: Provisional version DOIs exist due to an account linkage issue. The concept DOI above is authoritative until Zenodo confirms consolidation.

Verification (External Replicators)

1. Reference **AWO v1.2.0** for the methodological rules and artifacts.
 2. Use **CRI-CORE** to execute workflows and produce immutable `runs/<id>` folders.
 3. Verify:
 - `run_manifest.json` schema validity
 - `SHA256SUMS.txt` against all emitted artifacts
 - Attestation/signature files where present
-

Links

- **AWO (methodology):** <https://github.com/Waveframe-Labs/Aurora-Workflow-Orchestration>
 - **CRI-CORE (runtime):** <https://github.com/Waveframe-Labs/CRI-CORE>
 - **Concept DOI (AWO):** <https://doi.org/10.5281/zenodo.17013612>
-

Maintainer

Waveframe Labs — Aurora Research Initiative

Contact: swright@waveframelabs.org