



ECHO  
Ops and Governance

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James Ross & Echo Contributors

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**Source**

This booklet is generated from the Echo repository documentation.

# Foreword

Echo is a deterministic, multiverse-aware engine. This booklet walks you in with progressive layers: orient yourself, learn the core building blocks, then dive into math and operations. Each shelf can stand alone; together they form the full Echo field guide.

If you are new, start with the onboarding roadmap and glossary. If you build or extend Echo, keep the determinism contract and scheduler flow in view. Future work will deepen each part and add more diagrams as Echo evolves.



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# Part I

## Ops and Governance





# Chapter 1

## Ops and Governance (Starter)

Echo favors merge-only history, deterministic builds, and documented intent.

### 1.1 Working Agreements

- No rebases or force pushes; use the branch merge playbook.
- Keep `execution-plan.md` and `decision-log.md` in sync with any runtime change.
- Run `cargo clippy -all-targets` and `cargo test` before PRs; Docs Guard expects updated metadata.

### 1.2 CI / Docs Guard

- Hooks run `fmt`, `clippy`, `docs guard`, and `SPDX` checks.
- GitHub Actions enforce `SPDX` headers and `LaTeX` docs builds.

### 1.3 Next Additions

- Determinism incident runbook.
- Branch merge decision tree (with `TikZ` diagram).
- Telemetry/diagnostics quickstart.

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