RIFT Peer Review Proofs (`pr-proof/`) — README

This directory contains **peer review proof artifacts** for the RIFT project. All documents here serve as formal evidence of technical validation, governance compliance, and systematic review, supporting the requirements and methodology described in the main RIFT README.

Purpose

- **Peer Review Proofs**: Provide verifiable documentation of formal proofs, cryptographic standards, automaton minimization, and protocol validation relevant to RIFT's compiler and governance model.
- **Governance Model Support**: Demonstrate compliance with the RIFT governance framework, as enforced by `rift-N.exe` and `rift.exe` in CI/CD pipelines.
- **Project Requirement Feedback**: Enable systematic review and feedback on project requirements, ensuring all technical and governance criteria are met before release.

Usage in CI/CD

- **Automated Validation**: CI/CD pipelines must reference and validate these proofs as part of the build and deployment process.
- **Governance Enforcement**: Proofs are checked against governance contracts (`.riftrc.N`) to ensure all compliance gates are satisfied.
- **Documentation Integration**: Artifacts here are linked in the main documentation (`/docs/`) and referenced in technical specifications.

Directory Contents

- `Aegis.pdf` — AEGIS methodology and formal proof of systematic compiler design.
- `Cryptographic_Standard_V1_0.pdf` — Cryptographic primitives and protocol validation.
- `Automaton State Minimization and AST Optimization.pdf` — Formal automaton and AST proofs.
- `Formal Proof of Zzero-Knowledge Protocol.pdf` — Security and privacy validation.
- Additional peer-reviewed documents supporting RIFT's technical claims.

Review Process

1. **Submission**: New proofs are added to this directory and referenced in the main documentation.
2. **Review**: Each proof is reviewed by project stakeholders and validated in CI/CD.
3. **Feedback**: Review feedback is incorporated into project requirements and governance files.
4. **Approval**: Only validated proofs are accepted for release and compliance certification.

References

- Project README
- Governance Validation Framework
- RIFT Documentation

All peer review proofs are required for compliance with the RIFT governance model and must be validated as part of the CI/CD process.