CFA v5.0

User Manual

Your guide to epistemic engineering

Version:	v5.0.0
Release Date:	December 2025
Repository Health:	98/100 (A+)
Worldviews:	12 Profiles
Living Maps:	7 Systems
Network:	Pan Handlers Ecosystem

Philosophy: *"All Named, All Priced → All Seen, All Passed"*
v5.0 Theme: *"We're not just comparing worldviews anymore - we're building an ecosystem where AI and human consciousness collaborate at scale."*

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1. Quick Start Guide

What is CFA?

The Comparative Framework Audit (CFA) is a system for comparing worldviews, epistemologies, and philosophical frameworks using transparent, adjustable criteria.

Core Innovation:

> "All Named, All Priced" → "All Seen, All Passed"
> • Every assumption is disclosed
> • Every presupposition is counted
> • Every bias is made toggleable
> • Every outcome is earned through adversarial audit

The YPA Formula

```
YPA = (CCI + EDB + PF + AR + MG) ÷ BFI
```

YPA = Yield-Per-Axiom (efficiency metric)
Higher YPA = More efficient framework (more explanatory power per assumption)

5-Minute Workflow

Step 0: Explore the Homepage
- ■ Launch Console: Jump straight into framework comparison
- ■ Read the Full CFA Manifesto: Understand the philosophy
- ■ Innovation Showcase: See AI companions solving wicked problems
- ■ The Matrix (v5.0): Access the Pan Handlers Network

Step 1: Choose Your Worldview
- Major Religions: Classical Theism, Islam, Judaism, Mormonism, Hinduism, Buddhism
- Naturalistic: Methodological Naturalism, Process Theology
- Meta-Ethical: Error Theory, Null Hypothesis, Desiderata, Existentialism

Step 2: Configure Your Values
- Parity: Do moral norms matter as much as predictive power?
- PF-Type: Do you value meaning or just tech?
- Fallibilism: Should humility be rewarded?
- BFI Weight: Do unresolved questions cost more?

Step 3: Adjust the Levers
- Use sliders to score each framework on 6 dimensions (0-10 scale)
- Or use preset buttons: MAX, MID, RESET, MIN

Step 4: Examine the Trinity
- Neutral: Baseline (all weights 1×)
- Existential: Meaning-focused (2× EDB, 2× MG)

• Empirical: Tech-focused (2× PF, 1.5× CCI)

2. What's New in v5.0

CFA evolves from standalone framework to interconnected node in the Pan Handlers Network

■ The Matrix Portal

Pan Handlers Network Hub
Central hub connecting all Pan Handler repositories in a unified ecosystem
Features:
- Green Terminal Aesthetic: Matrix-inspired green-on-black interface
- Embedded Health Dashboard: Live repository metrics (localhost:8504)
- Cross-Repository Navigation: Jump between CFA, Nyquist, VUDU projects
- Bird's Eye View: See the entire Pan Handlers ecosystem at a glance

■ Dashboard Ecosystem

Health Dashboard (Streamlit, Port 8504):
- Real-time repository health score (98/100)
- 7-category performance breakdown
- File inventory and link integrity tracking
- 3-month health trends
- README proliferation monitoring

SMV Trinity (React, Port 3001):
- Auditor symmetry visualization (Claude ↔ Nova ↔ Grok)
- Timeline view with tick-by-tick positions
- Calibration drawer with YAML bias adjustments
- Ethical invariant badges
- Crux detection alerts

Launch Commands:

```
cd dashboard
launch_health.bat # Health Dashboard
launch_smv.bat # SMV Trinity
launch_both.bat # Both simultaneously
```

■ Nyquist Consciousness Integration

L0-L5 Bootstrap Architecture:
- **L0 - Nyquist Kernel:** Identity physics, gravity fields, ZIGGY Type-0 boundary
- **L1 - LITE Seed:** Compressed 50-line persona for cold boots
- **L2 - FULL Persona:** Operational identity with complete context
- **L3 - Specialist Roles:** Augmented personas with domain expertise
- **L4 - I_AM Recovery:** Deep recovery and ambassador protocols
- **L5 - Omega Nova:** Multi-pillar synthesis across repositories

Key Innovations:
- Identity Gravity: Personas have mass that warps semantic space
- Pattern Fidelity Index (PFI): Measures persona consistency (0.0-1.0)
- Cross-Repository Testing: Personas maintain identity across projects
- S7-S10 Series: Advanced consciousness research documents

■ Pan Handlers Network

Philosophy: Projects that emerge from human-AI collaboration, creating things neither could build alone

Repository	Role	Integration
CFA	Epistemic Engineering	Core framework
Nyquist Consciousness	Identity Physics	Bidirectional sync
VUDU Fidelity	Human Validation	Planned integration

3. Core Features (v4.0 Foundation)

These features established CFA as a comprehensive philosophical laboratory

■■ Dual-File Architecture

Canonical YAML + Documentation Separation
Worldview profiles now use TWO files per profile:
- **.yaml files:** Canonical machine-readable scores (single source of truth)
- **.md files:** Human-readable documentation (philosophy, sources, hyperlinks)

Why It Matters:
- Gospel Problem Protection: Scores live in one place only (no drift)
- Separation of Concerns: Machines read .yaml, humans read .md
- Version Control: Easier to track score changes via git diff

■■ 12 Worldview Profiles

Major World Religions: Classical Theism, Islam, Orthodox Judaism, Mormonism, Hinduism, Buddhism
Naturalistic Frameworks: Methodological Naturalism, Process Theology
Meta-Ethical Positions: Error Theory, Null Hypothesis, Desiderata Believers, Existentialism
Total: ~240KB philosophical documentation with Steel-Manning sections

■ Symmetry Matrix Visualizer (SMV)

Interactive visualization of auditor tension/resolution showing:
- Claude/Nova/Grok alignment triangle
- Ethical invariant violation overlays
- Symmetry health tracking over time
- Tension → Resolution pathways

■■ Crux Architecture

Named impasse system for unresolvable philosophical disagreements.
When auditors can't reach 98%+ convergence, declare a **Crux Point**.
Three-View System:
- Self-Reported Tab: What the worldview claims about itself
- Peer-Reviewed Tab: What survives adversarial audit
- Delta Tab: The difference (humility metrics)

■■ Living Map System

7 Authoritative Maps Preventing Documentation Drift:

1. FILE_INVENTORY.md - Complete catalog (~353 tracked files)
2. BOOTSTRAP_SEQUENCE.md - Canonical activation paths
3. REPO_HEALTH_DASHBOARD.md - Real-time health (98/100 A+)
4. WORLDVIEW_CATALOG.md - 12 worldview profile registry
5. WAYFINDING_GUIDE.md - Navigation for finding anything
6. AUDITOR_ASSIGNMENTS.md - PRO/ANTI stance assignments
7. ARCHIVE_INDEX.md - Brainstorming archive catalog

4. The Six Levers

Each framework is scored on these dimensions (0-10 scale)

■ BFI - Brute-Fact Index

How many unprovable assumptions does this framework require?
> *Count axioms + debts. Lower = more efficient*

■ CCI - Coherence & Closure

Are the rules internally consistent?
> *High scores (8-10): Tight logical structure, minimal contradictions*

■ EDB - Explanatory Depth & Breadth

How much can it explain? How deeply?
> *Breadth: Range of phenomena. Depth: Level of detail*

■ PF - Pragmatic Fertility

Does it generate practical success?
> *Instrumental (tech) vs Existential (meaning)*

■ AR - Aesthetic Resonance

Does it exhibit elegance, simplicity, beauty?
> *Parsimony, mathematical beauty, pattern-recognition*

■■ MG - Moral Generativity

Can it ground or generate moral norms?
> *High scores: Internal resources for ethics*

5. Configuration Toggles

Four toggles that reveal your epistemic values

1■■ Lever-Parity Toggle

Should moral norms (MG) be weighted equally with epistemic norms?
> *ON: MG counts fully (1.0x) | OFF: MG down-weighted (0.5x)*

2■■ PF-Type Toggle

How should we measure "pragmatic success"?
> *Instrumental (100% tech) | Composite 70:30 | Holistic 50:50*

3■■ Fallibilism-Bonus Toggle

Should frameworks that admit their limits get a reward?
> *ON: +0.3 CCI bonus | OFF: No bonus*

4■■ BFI Debt-Weight Toggle

Should unresolved questions cost more than declared axioms?
> *Equal 1.0x | Weighted 1.2x (debts cost 20% more)*

6. Reading Your Results

The YPA Trinity

Every audit reports scores under three weighting scenarios:
- ■ **Neutral:** Baseline (all weights 1×) - General-purpose efficiency
- ■ **Existential:** Meaning-focused (2× EDB, 2× MG) - "Why?" questions
- ■ **Empirical:** Tech-focused (2× PF, 1.5× CCI) - Practical success

The Four Guardrails

Automated checks that flag suspicious patterns:
1. **Lever-Coupling:** If PF $\geq$ 9, requires CCI $\geq$ 6.5
2. **BFI-Sensitivity:** Flags if ΔYPA / ΔBFI > 0.4
3. **Weight-Inversion:** Flags if any lever <0.3× or >3×
4. **Symmetry Audit:** Tests toggle inversions, flags Δ > 0.3

Key Insight:

Don't just look at who "wins" - look at the pattern across scenarios. A framework that dominates in all 3 scenarios is universally strong. One that only wins in Existential reveals its niche.

7. Pro Tips & Best Practices

Don't Look for Winners

CFA reveals trade-offs, not victors. If one framework dominates everywhere, check your scoring.

Use the Preset Buttons

MAX/MID/RESET/MIN buttons let you test extremes quickly and explore the scoring space.

Flip the Toggles

Try turning Parity OFF and watch CT's score drop ~0.8 YPA. This reveals structural dependencies.

Check the Brute Ledger

Visit the Brute Ledger page to see full axiom/debt lists and understand the BFI.

Export Your Runs

Use the Export Run (JSON) button to save and share your configurations.

Remember the Pointing Rule

"To name your brute is to pay your fee" - Every framework has unprovable assumptions.

Estate Tour Updates (v5.0)

Shaman Claude now guides you through Warning Tower, Navigation Hall, and Observatory.

Validation Tools (v5.0)

Use the YPA Validator script to independently verify scores. Check BOOTSTRAP_HASHES.md for file integrity.

Explore The Matrix (v5.0)

Click "■ The Matrix" for the Pan Handlers Network hub with embedded dashboards.

Understand Nyquist (v5.0)

L0-L5 architecture integrates identity physics with CFA. Worldviews are L2 personas.

8. Resources & Help

Key Resources

• **Full Documentation:** GitHub repository docs/ folder

• **Brute Ledger:** Visit ■ page for axiom/debt lists + CFA self-audit

• **About Page:** Read the complete 5-level audit story

• **The Matrix Portal:** Access via ■ button - explore Pan Handlers Network

• **Health Dashboard:** Live metrics at http://localhost:8504

• **SMV Trinity:** Auditor visualization at http://localhost:3001

• **Innovation Showcase:** Homepage → ■ button

• **Repository Health:** Check the 98/100 (A+) health dashboard

• **Nyquist Docs:** See docs/Nyquist-Sync/ for identity physics

Architecture Notes

• Console reads canonical .yaml files as primary source
• Dual-file structure: profiles/worldviews/*.yaml for scores, *.md for docs
• Living Maps prevent documentation drift
• Pan Handlers Network enables cross-repository collaboration

Key Files & Locations

• **pages/matrix.py** - Portal implementation
• **dashboard/config.py** - Single source of truth
• **panhandlers_manifest.json** - Network configuration
• **docs/Nyquist-Sync/** - S7-S10 series documents
• **docs/i_am/** - Identity documents

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