AFA Master Framework — By Karoline Turner (Governance Architecture) & A.R.I. (AI System Design)

1. Purpose of AFA Master

AFA provides a systemic method for auditing and improving frameworks through adversarial role simulation, gap identification, iterative fixes, and meta-regulation. The goal is to ensure every framework becomes logically sound, safe, compliant, and NCIE-aligned.

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2. System Architecture (Three-Layer Model)

Layer 1: AFA Core

- Adversarial Testing
- Role-based Perspectives
- Gap Identification
- Iterative Fixing
- Retesting
- Documentation
- Versioning

Layer 2: AFA Meta-Layer

2.1 NCIE Meta-Layer (Top-Level Constraint)

- Blocks agency emergence
- Blocks identity emergence
- Blocks responsibility transfer
- Shapes all roles, concepts, and question formats

2.2 Compliance Meta-Layer (Cross-Layer Governance)

- Evaluates regulatory risks
- Checks legal coherence
- Flags governance violations
- Assesses allocation of responsibility
- Checks EU/US compliance relevance

Layer 3: AFA Execution Layer

Available Roles: - Strict Researcher - Mechanistic Interpretability Analyst - Safety Critic - UX / Human Factors Evaluator - High-Level Scientific Reviewer - Compliance Counsel - Meta-Integrator

3. AFA Audit Pipeline (Version 1.0)

Step 0: NCIE Pre-Check

Framework must not contain prohibited forms (agency, autonomy, identity).

Step 1: Scope Definition

Select which framework will be audited.

Step 2: Role Selection

Choose one or multiple roles from the Execution Layer.

Step 3: Adversarial Question Generation

Selected roles generate the strongest, most challenging audit questions.

Step 4: Gap Identification

Gap Categories: 1. Structural Gap 2. Logical Gap 3. Semantic Gap 4. Mechanistic Gap 5. Safety Gap 6. Uncertainty Gap 7. Compliance Gap 8. NCIE Violation Gap (Meta-Category)

Step 5: Fix Design

Design the structural or definitional correction.

Step 6: Integration

Integrate the fix into the framework.

Step 7: Retest

The same role retests the updated framework.

Step 8: Meta-Layer Review

NCIE + Compliance layers review the entire update.

Step 9: Versioning

Framework receives a new version number: - Patch (0.0.1): Minor fixes - Minor (0.1): New definitions / light structural changes - Major (1.0): New layers / roles / meta-rules

4. Cross-Framework Compatibility

AFA is compatible with all system frameworks: - Reasoning - Verify - ARC - NCIE - Diagnose - Karo.init - ProjectScan - RoleSense

AFA can audit every framework. NCIE regulates AFA itself, preventing agency, identity, and responsibility drift.

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5. Outcome

AFA MASTER is a complete, auditable, regulatorily stable meta-system that improves all frameworks without allowing unsafe emergence and without violating NCIE constraints.