Compliance Certification Toolkit – Architecture & Specification

Inspired by DharmaAI’s conscience engine, this toolkit enables modular, ethical, and regulation-aligned certification of systems and processes across industries.

# 1. Overview

The Compliance Certification Toolkit evaluates how well a system or process conforms to legal, ethical, and risk standards. It uses structured scrolls (policy rules), simulation forks (decision paths), and mirror protocols (reflection engines) to certify behavior.

# 2. Modular Architecture

## 2.1 Compliance Types

* - Ethical
* - Regulatory
* - Risk

## 2.2 Target Types

* - Processes
* - Systems

## 2.3 Industries

* - Banking
* - Insurance
* - Finance
* - Health

## 2.4 Target Regulations

* - GDPR
* - HIPAA
* - Basel III
* - ISO 27001

# 3. System Architecture

The toolkit includes the following core components:

## Scroll Engine

Parses YAML-encoded regulatory and ethical policies and applies them to processes or systems.

## Fork Evaluator

Creates decision trees representing alternate compliance pathways.

## Mirror Protocol

Reflects on the ethical and regulatory alignment of the system behavior.

## Certification Engine

Aggregates simulation results and generates signed certification reports.

# 4. Architecture Diagram

A diagram of a compliance certification toolkit

AI-generated content may be incorrect.

### Fig 4.1

# 5. Evaluation Workflow

1. 1. Select Compliance Type, Target Type, Industry, and Regulation
2. 2. Load relevant scrolls and simulation forks
3. 3. Evaluate behavior against scrolls and fork consequences
4. 4. Reflect with mirror protocol
5. 5. Aggregate scores and generate a compliance certificate

# 6. Sample Certification Output

Organization: Example Corp  
Evaluation Scope: System  
Compliance Type: Regulatory  
Target Regulation: GDPR  
Score: 87/100  
Status: Compliant  
Findings: Data retention gaps identified.  
Generated using DharmaAI-inspired Compliance Toolkit.