

MaxAudit – Operator-Led Certification Loop & Advisory System

Version: 1.0

Issued by: SAC, Take Back Your Data (TBVD)

License: MaxOneOpen License v2.2 – Structurally Enforced

1. Objective

This module introduces the self-certification loop, enabling system operators to manage continuous compliance with audit structures autonomously. It also defines an optional advisory system to support deviation analysis and correction, without altering the official audit result.

2. Loop Architecture

- Audit triggers Verifier with self-check profile
- Deviation is logged internally
- Advisory agent suggests mitigation path
- Operator applies fix and re-verifies
- Certification is re-issued locally or uploaded to registry

3. Certification Levels (Local)

- Loop Level 1: Self-audit only
- Loop Level 2: Verified + advisory trace signed
- Loop Level 3: Fork-bound + mirrored in registry snapshot

4. Advisory Engine

- Reads audit deviation class and instance topology
- Compares to known patterns from certified profiles
- Suggests fix options with estimated impact and resolution path
- Does not modify or influence audit logic

5. Governance & Traceability

- Operator retains full control of implementation steps
- All advisory logs are time-stamped and optionally signed
- Can be attached to audit report for transparency
- Loop execution is hash-linked to previous audit result

6. Deployment Modes

- On-demand fix cycles
- Scheduled compliance maintenance (e.g., weekly)
- CI/CD-bound check-and-correct workflows