## Audit Process

* Assessment

-Smart contract business logic

-Identify security properties to test

* Review

-Parallel multi-analysis

-Manual inspection

* Delivery

-Comprehensive report

-Vulnerability Details

-Mitigation guidance

-Options for continuous verification

[Points: Clear +1, Formal +1 | MAX: 2/2]

## ConsenSys: Pre-reqs/Standards [Checklist](https://consensys.github.io/smart-contract-best-practices/)

*Checklist summary;*

* [General Philosophy](https://consensys.github.io/smart-contract-best-practices/general_philosophy/) describes the smart contract security mindset
* [Smart Contract Recommendations](https://consensys.github.io/smart-contract-best-practices/recommendations/) contains examples of good code patterns
* [Known Attacks](https://consensys.github.io/smart-contract-best-practices/known_attacks/) describes the different classes of vulnerabilities to avoid
* [Software Engineering](https://consensys.github.io/smart-contract-best-practices/software_engineering/) outlines some architectural and design approaches for risk mitigation
* [Documentation and Procedures](https://consensys.github.io/smart-contract-best-practices/documentation_procedures/) outlines best practices for documenting your system for other developers and auditors
* [Security Tools](https://consensys.github.io/smart-contract-best-practices/security_tools/) lists tools for improving code quality and detecting vulnerabilities
* [Tokens](https://consensys.github.io/smart-contract-best-practices/tokens/) outline best practices specifically related to Tokens.
* [Bug Bounties](https://consensys.github.io/smart-contract-best-practices/bug_bounty_list/) List of bug bounties in the ecosystem.

[Points: Clear Pre-requisites/Standards +1 | MAX: 1/1]

## Audit Format

* **Executive Summary**
* **Scope**

-Identify files

-Objectives of the audit

* **System Overview**

-Diagrams and breakdown of the system in question

* **Document Change Log**

-Changes to documents/reports

* **Recommendations**

-Recommendations about the code and changes to be made

* **Security Specifications**
* **Issues**

-Highlights security issues

* **Appendix**

1. Files in scope
2. Artifacts (Automated tool analysis, test suites etc.)
3. Disclosure

## Popular Reports

* [Aave](https://aave.com/) ([Token Contract](https://consensys.net/diligence/audits/2020/07/aave-token/))
* [Amp](https://amptoken.org/) ([Token & Flexa Collateral Manager](https://consensys.net/diligence/audits/2020/06/amp/))
* [Balancer Finance](https://balancer.finance/) ([Security Assessment](https://consensys.net/diligence/audits/2020/05/balancer-finance/))
* [Orchid Network Protocol](https://www.orchid.com/) ([Security Audit](https://consensys.net/diligence/audits/2019/11/orchid-network-protocol/))
* [The LAO](https://www.thelao.io/) ([Security Audit](https://consensys.net/diligence/audits/2020/01/the-lao/#whitelist-proposal-duplicate))

[Points– Multiple Auditors +1, Industry Lead +1, Structure +1, Clarity +1 & Consistency +1 | MAX: 5/5]

## Contact

Website Links: [Audits](https://consensys.net/diligence/), [Blog](https://consensys.net/diligence/blog/), [Reports](https://consensys.net/diligence/audits/), [Audit Request](https://consensys.net/diligence/contact/) & [Research](https://consensys.net/diligence/research/)

Twitter: [@ConsenSysAudits](https://twitter.com/ConsenSysAudits)

Github: [ConsenSys Software](https://github.com/ConsenSys) (Public)

Discord: [Public](https://discord.gg/bZwrf3x4Vs) (Active)

[Points– Public Profiles; Transparency +1, Community Discord/Telegram/Reddit +1 | MAX: 2/2]

[**Points total: 10/10**]