

Security Assessment Final Report

Silo Token V2

May 2025

Prepared for **Silo Team**





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Certora Project Summary

Project Scope

Project Name	Repository (link)	Latest Commit Hash	Initial Commit Hash	Platform
xSilo: Silo Token V2	Repo	69b0a5c	bd8348b	EVM

Project Overview

This document describes the specification and verification of silo contracts v2 using the Certora Prover and manual code review findings. The work was undertaken from May 4th to May 6th 2025

The following contract list is included in our scope:

x-silo/contracts/token/SiloGovernanceTokenV2.sol

Protocol Overview

SiloGovernanceTokenV2 Is a simple burnable capped Token deployed for compatibility with Cross-Link CCIP.



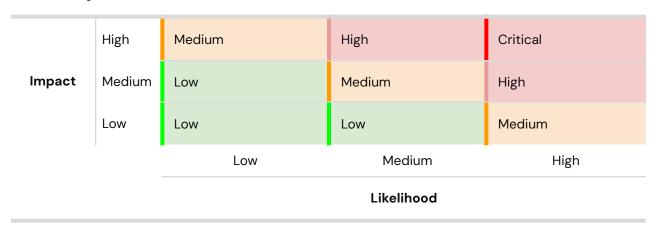


Findings Summary

The table below summarizes the findings of the review, including type and severity details.

Severity	Discovered	Confirmed	Fixed
Critical	-	-	-
High	-	-	-
Medium	0	0	0
Low	Ο	0	0
Informational	4	4	1
Total	4	4	1

Severity Matrix







Informational Issues

I-01. Token name and Token symbol are reversed.

Description: The order in the contractor of ERC20 is name then symbol.

Recommendation: Should reverse the order of the token symbol and token name.

Customer's response: Fixed.

I-02. Token can't pause core functionality

Description: Currently the owner can't pause, burn and transfer actions. This might limit possible mitigations for cross chain attacks.

Recommendation: Consider adding pausing functionality to the _update call.

Customer's response: Acknowledged would not fix.

I-03. Consider adding some mitigation techniques to allow for a more cross-chain robustness

Description: Some cross-chain tokens implement some mitigation patterns to lower the impact of an attack. Some of those patterns are:

- 1. Rate limiting.
- 2. Time locking.
- 3. Pausing.

Depending on the used pool, you might want to implement a version of those patterns.

Customer's response: Acknowledged would not fix at this moment.

I-04. Add a documentation that Silo Token can't be used with some pools

Description: The current minting pattern means that burn-mint pools should never be registered with SiloToken, this should be documented.

Customer's response: Acknowledged, the Token would only be used in Mint-Lock and Unlock-Lock pools.









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