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Summary

Audit Report prepared by Solidified covering the HEZ to MATIC token conversion.

Process and Delivery

Two (2) independent Solidified experts performed an unbiased and isolated audit of the code below. The debrief took place on Augsut 20, 2021.

Audited Files

The following contracts were covered during the audit:

```
contracts
└── HezMaticMerge.sol
```

The contracts were supplied in the repositories:

https://github.com/hermeznetwork/hez-matic-merge

Notes

The audit covers commit `47c8c9538df48c8f5b9a2a79d0f5bf706e467986`.

Intended Behavior

The smart contract receives HEZ token sent to it, burns these, while atomically sending MATIC tokens back to the user (multiplier ratio 3.5).

Code Complexity and Test Coverage

Smart contract audits are an important step to improve the security of smart contracts and can find many issues. However, auditing complex codebases has its limits and a remaining risk is present (see disclaimer).

Users of a smart contract system should exercise caution. In order to help with the evaluation of the remaining risk, we provide a measure of the following key indicators: **code complexity**, **code readability**, **level of documentation**, and **test coverage**.

Note, that high complexity or lower test coverage does equate to a higher risk. Certain bugs are more easily detected in unit testing than a security audit and vice versa. It is, therefore, more likely that undetected issues remain if the test coverage is low or non-existent.

Criteria	Status	Comment
Code complexity	Low	-
Code readability and clarity	High	-
Level of Documentation	High	-
Test Coverage	High	-

Test Coverage Report:

```
------------------------------|----------|----------|----------|----------|----------------|
File                          | % Stmts  | % Branch | % Funcs  | % Lines  |Uncovered Lines |
------------------------------|----------|----------|----------|----------|----------------|
 contracts/                   |      100 |    72.22 |      100 |      100 |                |
  HezMaticMerge.sol           |      100 |    72.22 |      100 |      100 |                |
------------------------------|----------|----------|----------|----------|----------------|
All files                     |      100 |    72.22 |      100 |      100 |                |
------------------------------|----------|----------|----------|----------|----------------|
```

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Audit Report for Hermez on August 20, 2021

Issues Found

Solidified found that the HEZ to MATIC conversion contract contains no issues.

Critical Issues

No critical issues were found.

Major Issues

No major issues were found.

Minor Issues

No minor issues were found.

Notes

No additional notes.

Disclaimer

Solidified audit is not a security warranty, investment advice, or an endorsement of Hermez or its products. This audit does not provide a security or correctness guarantee of the audited smart contract. Securing smart contracts is a multistep process, therefore, running a bug bounty program as a complement to this audit is strongly recommended.

The individual audit reports are anonymized and combined during a debrief process, in order to provide an unbiased delivery and protect the auditors of Solidified platform from legal and financial liability.

Solidified Technologies Inc.