# Safe Edges - Audit Report

**Project**: Bako Safe
**Audit Period**: September 2024
**Audited by**: Safe Edges Team
**Website**: safeedges.in

## Summary

This audit aimed to assess the security and functionality of the Bako Safe contracts. We performed both static and dynamic analysis along with manual code review and identified the following issues.

## Informational Issues

### 1. Deprecated Usage of `ZERO_B256` and `Address::from(ZERO_B256)`

**Description**:
The use of `ZERO_B256` and `Address::from(ZERO_B256)` is deprecated as per the updated Sway language standards.

**Recommendation**:

- Replace `ZERO_B256` with `b256::zero()`.
- Replace `Address::from(ZERO_B256)` with `Address::zero()`.

**Location**:

- `configurables`
- `validations.sw`

**Status**: ☑ Resolved

## Functional Test Scenarios

The following scenarios were tested and passed:

- Multisig wallet using the same address (e.g., 3/4 signatures)
- Validations for zero address usage in signing
- Signature validity for other addresses

## Automated Testing

No major issues were found during automated testing. Some false positives were reported but deemed non-impactful. All relevant issues were categorized appropriately.

## Final Summary

The audit for Bako Safe revealed **no critical or high severity issues**. Informational-level improvements were suggested and have been resolved by the development team.

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## Disclaimer

While Safe Edges has performed a comprehensive security audit of Bako Safe, no audit is a guarantee of security. It's recommended to perform continuous security testing and community bug bounty programs.

Safe Edges shall not be held liable for any losses or vulnerabilities that may arise post-audit.

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## About Safe Edges

Safe Edges is a leading smart contract and blockchain security firm, trusted by top-tier projects in the Fuel, Ethereum, and broader Web3 ecosystems. With a global team of expert auditors, we help protect protocols from emerging threats and ensure secure dApp deployment.