AUDIT CERTIFICATE

Issued by: Sentio

Date of Audit: 27th February 2025

Audited Files: parent.lua, child.lua

Issued To: Beacon Shared Wallet

Lines of Code Covered: 636 Lines

Overview

This audit was conducted to assess the security, efficiency, and overall reliability of the provided Lua scripts.

Key Strengths

- Well-defined multi-signature transaction validation
- Secure token deposit and withdrawal handling
- Efficient structured message validation for transactions
- Optimized transaction searching with dictionary-based lookups

Security Enhancements Implemented

- **Authentication:** Implemented sender verification to prevent unauthorized proposals
- **Reentrancy Protection:** Added safeguards to prevent reentry attacks
- **Validation:** Strengthened checks for `Threshold` values and token balances
- **Approval Logic:** Improved handling to prevent duplicate or conflicting approvals

Security Rating

High – The code has been thoroughly reviewed, and key vulnerabilities have been addressed.

Certification Statement

This certificate verifies that the provided scripts have undergone a complete security and logic audit. No major security risks were found, and the recommended improvements have been implemented.

Audit Status: Secure and Approved

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