# Technical Annex: Visual Sealer Tool (VST)

High-Resiliency Forensic Authentication Suite

Patent Pending (IPO): 202641004867

Forensic Verification & Silicon Anchor Report

February 13, 2026

**Abstract**

This document validates the Visual Sealer Tool (VST), supporting claims filed under Indian Patent Application No. 202641004867. The system demonstrates 100% recoupment across 423 images, designed in compliance with the Patents (Amendment) Rules, 2024 and the Jan Vishwas Act.

## 1 Executive Summary

The Visual Sealer Tool (VST) provides a high-resiliency forensic authentication suite for digital assets.

- **Objective:** Forensic authentication resilient to extreme data degradation.
- **Compliance:** Fully aligned with the Jan Vishwas (Amendment of Provisions) Act, 2023 and updated Patents Rules, 2024.
- **Performance:** Verified survivability against 90% data reduction (JPEG Quality 10).

## 2 System Specifications

- **Structural Redundancy:** Implements a $4 \times 4$ spatial lattice (16 redundant sectors) for "Survivor Logic" recoupment.
- **Expansion Protocol:** Utilizes amorphous binary signature conversion from high structural energy to low structural energy.
- **Silicon Anchor Telemetry:** Hardware-locked witness generation using GPS (tentative), MAC ID, and Unix Epoch witnesses.

# 3 Operational Evidence

## 3.1 3.1 Telemetry Log (Sample 2026-02-13)

**Device ID:** DESKTOP-28N4EQF

**Geospatial Witness:** xx.xxxx, yy.yyyy

**Temporal Witness:** 1770970470

**Hardware Witness:** 38:f3:ab:bc:13:2b

## 3.2 3.2 Stress Test Results

Table 1: Forensic verification audit for Application 202641004867.

| Parameter | Value |
|---|---|
| Algorithm Input | elephant.png |
| Post-Attack Score | 1.0 (100.00% Recoupment) |
| Status | PASS (Verification of S-Seed Integrity) |