# DocSeal Banking Evidence Pack

Bank-ready demo v0.2

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This document summarizes the public DocSeal banking demo and its evidence model for a technical review. It is intentionally explicit about the current crypto profile and its limits.

## Executive summary

DocSeal provides document authenticity infrastructure for official files.

The current public demo lets a verifier check whether a received file is exactly the version sealed by the issuer.

This evidence pack is designed for banking review: it summarizes the demo Seal ID, verification workflow, registry receipt API, tamper detection, crypto profile, and post-quantum readiness position.

## Demo Seal

Seal ID: DSL-DEMO-BANK-2026-0001

Issuer: VeriSeal Core Bank

Document type: Bank statement

Public verify page: https://docseal.app/en/verify/DSL-DEMO-BANK-2026-0001

Registry receipt API: https://docseal.app/api/registry/seals/DSL-DEMO-BANK-2026-0001/receipt

Banking evidence pack API: https://docseal.app/api/banking/evidence-pack

## Verification workflow

1. The issuer finalizes an official document.

2. DocSeal records the document hash, registry status, and receipt metadata.

3. A verifier checks a received file through the public verification page or API.

4. The system returns a verification status such as authentic, tampered, unknown, revoked, or replaced.

## Authentic vs tampered verification

The staging and production smoke tests verify two sample files.

The authentic sample is expected to return authentic.

The tampered sample is expected to return tampered.

This demonstrates that a modified document is detected by hash comparison against the sealed reference.

## Current crypto profile

Current proof profile: classical document integrity.

Hash algorithm: SHA-256.

Post-quantum status: crypto-agile ready.

Post-quantum enabled in this demo profile: false.

Hybrid signature ready: true.

Recommended future profile: classical + ML-DSA.

## Post-quantum readiness statement

DocSeal does not claim that this demo profile is post-quantum protected end-to-end.

The current claim is crypto-agility: the evidence architecture can be extended toward a hybrid signature profile without changing the document workflow.

For a banking production deployment, a post-quantum or hybrid signature profile must be explicitly enabled, documented, and governed.

## Banking deployment phases

Phase 1: Controlled pilot with one issuer and one document family.

Phase 2: Production registry with monitored verification and receipt retention.

Phase 3: Hybrid evidence profile combining the classical proof with a post-quantum signature layer.

## Limitations and non-claims

DocSeal does not replace qualified electronic signatures by default.

The demo profile is not a regulatory certification.

The demo profile is not post-quantum protected end-to-end.

A production banking deployment requires agreed security policies, retention rules, access controls, audit logging, and key management.

## Public review links

Banking dossier: https://docseal.app/en/banking

Verification page: https://docseal.app/en/verify/DSL-DEMO-BANK-2026-0001

Registry receipt API: https://docseal.app/api/registry/seals/DSL-DEMO-BANK-2026-0001/receipt

Banking evidence pack API: https://docseal.app/api/banking/evidence-pack

Security statement: https://docseal.app/en/security

Technology statement: https://docseal.app/en/technology

Pilot pack: https://docseal.app/en/pilot-pack