



HOUSE OF REGNAVANT · THE CEILING TRIALS

CERTIFICATE OF CEILING

OBSIDIAN · Custodial Record Finality Infrastructure

MEASURED — ON REAL RUNS, ON A CLOCK. DRIVEN, SEALED AND SIGNED AT EVERY STAGE.

4,294,967,296

records · one append-only log · driven, distinct

465,175–595,862/sec

sustained append rate · ONE core at 2.10 GHz

40 bytes

the tree at 2^{32} · one peak · memory never climbs

21.73 μ s

to verify one record at height 32 · median of 537

4,815 forgeries refused. 0 accepted.

eleven sealed stages · 25 signed receipts · nine independent offices

1.53× Google Argon 2026h1 — the largest deployed log of this kind

WITNESSED BY TEN INDEPENDENT PARTIES · NO ACCOUNT · NO APPLICATION · NO HUMAN · ONLY A DIGEST EVER LEAVES

01 Sectigo EU Qualified

qualified · eIDAS presumption

02 DigiCert

commercial CA · already in their trust store

03 Sigstore Rekor

public transparency log

04 NIST Interoperable Randomness Beacon 2.0

NOT BEFORE

05 OpenTimestamps → Bitcoin

proof of work · no operator

06 GlobalSign

commercial CA · Adobe AATL

07 Entrust

commercial CA

08 Certum · Asseco

qualified · eIDAS presumption

09 DFN · German National Research Network

sovereign · non-commercial

10 Internet Archive · Wayback

public archive

Seven independence classes. Each fails for a different reason, under a different mechanism, in a different jurisdiction.

Nine prove NOT AFTER. One — the NIST beacon, sealed inside the signed bytes — proves NOT BEFORE. The moment is bracketed.

SEALED ROOT AT 2^{32}

COMMITMENT ROOT

NOT BEFORE

SIGNATURES

VERIFY IT YOURSELF

8d98ccf9c990428ec0b5c110acaae00a3f186c0e41c3a7225099cd35a6d5aaf7

ef06d5a12cdb79678373cb708e64dbf21513ff80e4f7a4dd240cb30a112ba7ef

NIST Randomness Beacon 2.0 · pulse 1,905,643 · 2026-08-16T15:45:00.000Z

Ed25519 · RFC 8032 + ML-DSA-65 · FIPS 204, quantum-safe today

python3 verify_ceiling_receipts.py receipts_signed □ 182 checks · 0 failures

A ceiling found is a fact. A ceiling unknown is a failure.

ANSELM ROTH · THE RÉGLEUR

MASTER OF THE CEILING

THE HOUSE OF REGNAVANT

HOUSE SEAL OVER THE BOOK