



Why Our Articles Are Signed

Headline Recorder

PLAIN-LANGUAGE SUMMARY

A short guide to the post-quantum content provenance system.
No cryptography background required.

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www.headlinerecorder.com

News travels. Screenshots, copies, and reposts move faster than the original page. Readers need a way to check that a story still matches what Headline Recorder published, even years later, and even if someone tries to rewrite it.

What we built

Every article on Headline Recorder carries a digital seal. Think of it as a tamper-evident stamp on the text and the key facts about that story. If a word changes, the seal no longer matches.

The seal is public. Anyone can check it in a browser. You do not need a special account, and you do not have to trust only our website while you check.

Why “post-quantum” matters

Most of the internet still uses older maths for digital signatures. Those methods are expected to fail once large quantum computers exist. An attacker in the future could forge an old-style signature and make a fake article look real.

We sign with a modern standard (ML-DSA-87) that is designed to resist that, plus a second, well-known classical method (ED448). Both must pass. Breaking one is not enough.

What a reader can do

- Open an article on www.headlinerecorder.com
- Use the signature link on the page, or open www.headlinerecorder.com/verify
- Confirm the text matches the sealed version we published

What this does not claim

A valid seal means the article bytes match what we signed under our published keys. It does not mean the reporting is true, complete, or fair. Those are editorial judgments. The seal answers a narrower question: was this text issued by Headline Recorder, and has it been altered since?

In one line

We stamp every article so the public can prove the copy they are reading is the one we published, using modern cryptography meant to stay reliable as computing technology changes.

Where to go next

- Full technical white paper: for engineers, auditors, and researchers who want parameters, threat model, and implementation detail.
- Live site and verifier: www.headlinerecorder.com and [/verify](http://www.headlinerecorder.com/verify)
- Contact: contact@headlinerecorder.com

HEADLINE RECORDER

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Companion to the technical white paper “Post-Quantum Content Provenance at Headline Recorder.”