From: To: Subject: Date: I believe that's because NIST didn't ask for an AKE; only KEMs, public key encryption and signature algorithms >
-
I personally am surprised that there are no AKE schemes - only KEM (and
> while you can construct an AKE from a KEM, it's usually non-trivial and
> expensive). > Any idea why AKE weren't submitted...? >
 On 1/31/19, 13:47, "Cfrg on behalf of Joachim Strömbergson" <cfrg> bounces@irtf.org on behalf of joachim@strombergson.com> wrote: > > Aloha! On 2019-01-31 16:51, Russ Housley wrote:

NIST just posted NISTIR 8240, the Status Report on the First Round of

the NIST Post-Quantum Cryptography Standardization Process. It is

a variable at https://doi.org/10.6078/NIST.IR.8240. > And here is the list of candidates moving to the second round: https://csrc.nist.gov/news/2019/pqc-standardization-process-2nd-round-candidates >From the page:

**Trom the page:
The 17 Second Round Candidate public key encryption and key-scale/bilantens algorithms are:
Classic McEllice
CRYSTALS-KYBER
Frede&KEM
ROLLO
LED-MAPTS (merger of LED-Mem/LED-Aghe)
NewHope
NTRU (merger of NTRUEneryph*NTRU-4IRSS-KEM)
NTS-KEM
ROLLO (merger of LANE-LOCKER-Ouroberon-R)
ROLLO (merger of HANE-LOCKER-Ouroberon-R)
ROLLO (MERGER OUROBER)
SIKE
Three Bears

The 9 Second Round Candidates for digital signatures are: CRYSTALS-DILITHIUM
FALCON
GelSS
MOOSS
Frein
GTESLA
Rainbow
SPHINCS-SPHINCS-SPHINCS-SPHINCS-SPHINCS-SPHINCS-SPHINCS-SPHINCS-SPHINCS-SPHINCS-SPHINCS-SPHINCS-SPHINCS

--Med vänlig hälsning, Yours Joachim Strömbergson - Alltid i harmonisk svängning.

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