FrodoKEM Learning With Errors Key Encapsulation

Cover Sheet

November 30, 2017

Name of the proposed cryptosystem: FrodoKEM – Learning With Errors Key Encapsulation.

Principal submitter:

• Michael Naehrig Microsoft Research One Microsoft Way Redmond, WA 98052

telephone: +1 425 707 6035 ext. 76035

email: mnaehrig@microsoft.com

Backup point of contact:

Douglas Stebila
 Department of Computing and Software ITB-202
 McMaster University
 1280 Main St. W.
 Hamilton, Ontario, Canada L8P 4N2

telephone: +1 905 525 9140 ext. 21186

email: stebilad@mcmaster.ca

Auxiliary submitters:

- Erdem Alkim
- Joppe W. Bos, NXP Semiconductors
- Léo Ducas, CWI
- Karen Easterbrook, Microsoft Research
- Brian LaMacchia, Microsoft Research
- Patrick Longa, Microsoft Research
- Ilya Mironov, Google
- Valeria Nikolaenko
- Chris Peikert, University of Michigan
- Ananth Raghunathan, Google
- Douglas Stebila, McMaster University

Inventors/ developers: Erdem Alkim, Joppe W. Bos, Léo Ducas, Patrick Longa, Ilya Mironov, Michael Naehrig, Valeria Nikolaenko, Chris Peikert, Ananth Raghunathan, Douglas Stebila. Based on an extensive body of previous work as discussed in the written specification.

Owners of the cryptosystem: Same as the principal and auxiliary submitters.

Signature of the submitter:

Mikal Nachy