

2.D.1 Statement by Each Submitter

I, Jung Hee Cheon, of Seoul National University, 1, Gwanak-ro, Gwanak-gu, 08826 Seoul, Republic of Korea, and of CryptoLab, 1, Gwanak-ro, Gwanak-gu, 08826 Seoul, Republic of Korea, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **HAETAE**, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that (check one):

- I do not hold and do not intend to hold any patent or patent application with a claim or that could be amended to include a claim that may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **HAETAE**; OR (check one or both of the following):
- to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as _____ (print name of cryptosystem)____, may be covered by the following U.S. and/or foreign patents: _____ (describe and enumerate or state "none" if applicable)_____;
 - to the best of my knowledge, the following pending U.S. and/or foreign patent applications may cover the practice of my submitted cryptosystem, reference implementation or optimized implementations: _____ (describe and enumerate or state "none" if applicable) _____.

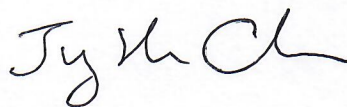
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Signed:



Title: Professor and CEO

Date: 26 May, 2023

Place: Seoul, Republic of Korea

2.D.1 Statement by Each Submitter

I, Hyeongmin Choe, of Seoul National University, 1, Gwanak-ro, Gwanak-gu, 08826 Seoul, Republic of Korea, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **HAETAETAE**, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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Signed:



Title: Ph.D. student

Date: 26 May, 2023

Place: Seoul, Republic of Korea

2.D.1 Statement by Each Submitter

I, Julien Devevey, of ENS de Lyon 15 parvis René Descartes BP 7000 69342 Lyon Cedex 07 FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **HAETAETAE**, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that (check one):

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Signed: 

Title: PhD Student

Date: 26/05/2023

Place: Lyon

2.D.1 Statement by Each Submitter

I, Prof. Dr.-Ing. Tim Güneysu, of Universitätsstr. 150, 44780 Bochum, GERMANY, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **HAETAETAE**, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that (check one):

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Signed:



Title: Prof. Dr.-Ing. Tim Güneysu, Full Professor of Security Engineering, Ruhr-Universität Bochum

Date: 25.05.2023

Place: Bochum, GERMANY

2.D.1 Statement by Each Submitter

I, Dongyeon Hong, of Cryptolab, 1, Gwanak-ro, Gwanak-gu, 08826 Seoul, Republic of Korea, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **HAETAE**, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that (check one):

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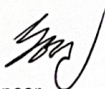
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Signed:



Title: Engineer

Date: 26.May, 2023

Place: Seoul, Republic of Korea

2.D.1 Statement by Each Submitter

I, Markus Krausz, of Ruhr-University Bochum, Universitätsstr. 150, 44801 Bochum, Germany, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **HAETAE**, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that (check one):

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Signed: 

Title: PhD student

Date: 26.05.2023

Place: Bochum, Germany

2.D.1 Statement by Each Submitter

I, Georg Land, of Ruhr-University Bochum, Universitätsstr. 150, 44801 Bochum, Germany, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **HAETAE**, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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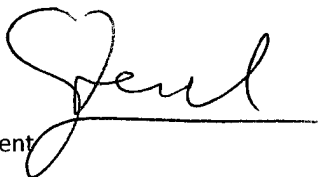
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Signed:



Title: PhD student

Date: 26.05.2023

Place: Bochum, Germany

2.D.1 Statement by Each Submitter

I, Junbum Shin, of Cryptolab, 1, Gwanak-ro, Gwanak-gu, 08826 Seoul, Republic of Korea, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **HAETAETAE**, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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Signed: 

Title: CTO

Date: 26.May, 2023

Place: Seoul, Republic of Korea

2.D.1 Statement by Each Submitter

I, Damien Stehlé, of CryptoLab Research, 55 avenue Marceau 75116 Paris, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **HAETAE**, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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Signed:



Title: Chief scientist

Date: 25.05.2023

Place: Lyon, France

2.D.1 Statement by Each Submitter

I, MinJune Yi, of Seoul National University, 1 Gwanak-ro, Gwanak-gu, Seoul 08826, Korea, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **HAETAE**, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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Signed: 

Title: Undergraduate

Date: 31.05.2023

Place: Seoul, Korea

2.D.3 Statement by Reference/Optimized Implementations' Owner(s)

The following must also be included:

I, Julien Devevey, of ENS de Lyon 15 parvis René Descartes BP 7000 69342 Lyon Cedex 07 FRANCE, am the owner or authorized representative of the owner of the submitted reference implementation and optimized implementations and hereby grant the U.S. Government and any interested party the right to reproduce, prepare derivative works based upon, distribute copies of, and display such implementations for the purposes of the post-quantum algorithm public review and evaluation process, and implementation if the corresponding cryptosystem is selected for standardization and as a standard, notwithstanding that the implementations may be copyrighted or copyrightable.

Signed:



Title: PhD Student

Date: 25/05/2023

Place: Lyon

2.D.3 Statement by Reference/Optimized Implementations' Owner(s)

The following must also be included:

I, Prof. Dr.-Ing. Tim Güneysu, Universitätsstr. 150, 44780 Bochum, GERMANY am the owner or authorized representative of the owner Ruhr-Universität Bochum, GERMANY of the submitted reference implementation and optimized implementations and hereby grant the U.S. Government and any interested party the right to reproduce, prepare derivative works based upon, distribute copies of, and display such implementations for the purposes of the post-quantum algorithm public review and evaluation process, and implementation of the corresponding cryptosystem is selected for standardization and as a standard, notwithstanding that the implementations may be copyrighted or copyrightable.

Signed:



Title: Prof. Dr.-Ing. Tim Güneysu, Full Professor of Security Engineering, Ruhr-Universität Bochum

Date: 25.05.2023

Place: Bochum, GERMANY

2.D.3 Statement by Reference/Optimized Implementations' Owner(s)

The following must also be included:

I, Dongyeon Hong, of Cryptolab, 1, Gwanak-ro, Gwanak-gu, 08826 Seoul, Republic of Korea, am the owner or authorized representative of the owner of the submitted reference implementation and optimized implementations and hereby grant the U.S. Government and any interested party the right to reproduce, prepare derivative works based upon, distribute copies of, and display such implementations for the purposes of the post-quantum algorithm public review and evaluation process, and implementation if the corresponding cryptosystem is selected for standardization and as a standard, notwithstanding that the implementations may be copyrighted or copyrightable.

Signed:



Title: Engineer

Date: 26.May, 2023

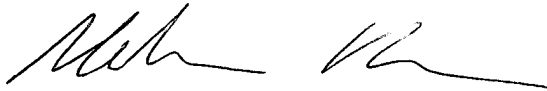
Place: Seoul, Republic of Korea

2.D.3 Statement by Reference/Optimized Implementations' Owner(s)

The following must also be included:

I, Markus Krausz, of Ruhr-University Bochum, Universitätsstr. 150, 44801 Bochum, Germany, am the owner or authorized representative of the owner of the submitted reference implementation and optimized implementations and hereby grant the U.S. Government and any interested party the right to reproduce, prepare derivative works based upon, distribute copies of, and display such implementations for the purposes of the post-quantum algorithm public review and evaluation process, and implementation if the corresponding cryptosystem is selected for standardization and as a standard, notwithstanding that the implementations may be copyrighted or copyrightable.

Signed:



Title: PhD student

Date: 26.05.2023

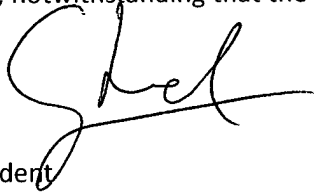
Place: Bochum, Germany

2.D.3 Statement by Reference/Optimized Implementations' Owner(s)

The following must also be included:

I, Georg Land, of Ruhr-University Bochum, Universitätsstr. 150, 44801 Bochum, Germany, am the owner or authorized representative of the owner of the submitted reference implementation and optimized implementations and hereby grant the U.S. Government and any interested party the right to reproduce, prepare derivative works based upon, distribute copies of, and display such implementations for the purposes of the post-quantum algorithm public review and evaluation process, and implementation if the corresponding cryptosystem is selected for standardization and as a standard, notwithstanding that the implementations may be copyrighted or copyrightable.

Signed:

A handwritten signature in black ink, appearing to read 'Georg Land', written over the 'Signed:' label.

Title: PhD student

Date: 26.05.2023

Place: Bochum, Germany

2.D.3 Statement by Reference/Optimized Implementations' Owner(s)

The following must also be included:

I, MinJune Yi, of Seoul National University 1, Gwanak-ro, Gwanak-gu, Seoul 08826, Korea, am the owner or authorized representative of the owner of the submitted reference implementation and optimized implementations and hereby grant the U.S. Government and any interested party the right to reproduce, prepare derivative works based upon, distribute copies of, and display such implementations for the purposes of the post-quantum algorithm public review and evaluation process, and implementation if the corresponding cryptosystem is selected for standardization and as a standard, notwithstanding that the implementations may be copyrighted or copyrightable.

Signed: 

Title: Undergraduate

Date: 31.05.2023

Place: Seoul, Korea