

2.D.1 Statement by Each Submitter

I, Hiroki Furue, of 3-9-11, Midoricho, Musashino-shi, Tokyo, 180-8585, Japan, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as QR-UOV, 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 QR-UOV; 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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consideration by all submitter(s) and owner(s), I understand that rights granted and assurances made under Sections 2.D.1, 2.D.2 and 2.D.3, including use rights of the reference and optimized implementations, may be withdrawn by the submitter(s) and owner(s), as appropriate.

Signed: Hiroki Furue

Title: Researcher

Date: January 17, 2025

Place: 3-9-11, Midoricho, Musashino-shi, Tokyo, 180-8585, Japan

2.D.1 Statement by Each Submitter

I, Yasuhiko Ikematsu, of 744 Motoooka, Nishi-ku, Fukuoka-shi, Fukuoka, 819-0395, Japan, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as QR-UOV, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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Signed: Yasuhiko Ikematsu

Title: Associate Professor

Date: January 17, 2025

Place: 744, Motoooka, Nishi-ku, Fukuoka-shi, Fukuoka, 819-0395, Japan

2.D.1 Statement by Each Submitter

I, Fumitaka Hoshino, of 1-1-1, Manabino, Nagayo-cho, Nishisonogi-gun, Nagasaki, 851-2195, Japan, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as QR-UOV, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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Signed: *Fumitaka Itohino*

Title: Professor

Date: January 17, 2025

Place: 1-1-1, Manabino, Nagayo-cho, Nishisonogi-gun, Nagasaki, 851-2195, Japan

2.D.1 Statement by Each Submitter

I, Tsuyoshi Takagi, of 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656, Japan, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as QR-UOV, 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: *Tsuyoshi Takegi*

Title: Professor

Date: January 17, 2025

Place: 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656, Japan

2.D.1 Statement by Each Submitter

I, Haruhisa Kosuge, of 3-9-11, Midoricho, Musashino-shi, Tokyo, 180-8585, Japan, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as QR-UOV, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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Signed: *Yasuhisa Koseige*

Title: Senior Research Scientist

Date: January 17, 2025

Place: 3-9-11, Midoricho, Musashino-shi, Tokyo, 180-8585, Japan

2.D.1 Statement by Each Submitter

I, Kimihiro Yamakoshi, of 3-9-11, Midoricho, Musashino-shi, 180-8585, Japan, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as QR-UOV, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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Signed: Kimitoshi Yamashita

Title: Senior Research Engineer

Date: January 17, 2025

Place: 3-9-11, Midoricho, Musashino-shi, 180-8585, Japan

2.D.1 Statement by Each Submitter

I, Rika Akiyama, of 3-9-11, Midoricho, Musashino-shi, Tokyo, 180-8585, Japan, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as QR-UOV, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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Signed: Rika Akiyama

Title: Researcher

Date: January 17, 2025

Place: 3-9-11, Midoricho, Musashino-shi, Tokyo, 180-8585, Japan

2.D.1 Statement by Each Submitter

I, Satoshi Nakamura, of 3-9-11, Midoricho, Musashino-shi, Tokyo, 180-8585, Japan , do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as QR-UOV, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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Signed: Satoshi Nakamura

Title: Researcher

Date: January 17, 2025

Place: 3-9-11, Midoricho, Musashino-shi, Tokyo, 180-8585, Japan

2.D.1 Statement by Each Submitter

I, Shingo Orihara, of 3-9-11, Midori-cho, Musashino-shi, Tokyo, 180-8585, Japan, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as QR-UOV, 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: Senior Research Engineer

Date: January 17, 2025

Place: 3-9-11, Midori-cho, Musashino-shi, Tokyo, 180-8585, Japan

2.D.1 Statement by Each Submitter

I, Koha Kinjo, of 3-9-11, Midori-cho, Musashino-shi, Tokyo, 180-8585, Japan, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as QR-UOV, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

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Signed: Koha Kinjo

Title: Research Engineer

Date: January 17, 2025

Place: 3-9-11, Midori-cho, Musashino-shi, Tokyo, 180-8585, Japan

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

The following must also be included:

I, Fumitaka Hoshino, 1-1-1, Manabino, Nagayo-cho, Nishisonogi-gun, Nagasaki, 851-2195, Japan, am the owner or authorized representative of the owner (print full name, if different than the signer) 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: *Fumitaka Hoshino*

Title: Professor

Date: January 17, 2025

Place: 1-1-1, Manabino, Nagayo-cho, Nishisonogi-gun, Nagasaki, 851-2195, Japan