

I, Carlos AGUILAR MELCHOR, of ENSEEIHT, 2 rue Charles Camichel, 31000 Toulouse, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that:

- I do not hold and do not intend to hold any patent or patent application with a claim which may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC; **OR:**
 - to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, may be covered by the following U.S. and/or foreign patents: US9094189 B2 and FR 10/51190;
 - I do hereby declare that, 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: US9094189 B2 and FR 10/51190.

I do hereby acknowledge and agree that my submitted cryptosystem will be provided to the public for review and will be evaluated by NIST, and that it might not be selected for standardization by NIST. I further acknowledge that I will not receive financial or other compensation from the U.S. Government for my submission. I certify that, to the best of my knowledge, I have fully disclosed all patents and patent applications which may cover my cryptosystem, reference implementation or optimized implementations. I also acknowledge and agree that the U.S. Government may, during the public review and the evaluation process, and, if my submitted cryptosystem is selected for standardization, during the lifetime of the standard, modify my submitted cryptosystem's specifications (e.g., to protect against a newly discovered vulnerability).

I acknowledge that NIST will announce any selected cryptosystem(s) and proceed to publish the draft standards for public comment.

I do hereby agree to provide the statements required by Sections 2.D.2 and 2.D.3, below, for any patent or patent application identified to cover the practice of my cryptosystem, reference implementation or optimized implementations and the right to use such implementations for the purposes of the public review and evaluation process.

I acknowledge that, during the post-quantum algorithm evaluation process, NIST may remove my cryptosystem from consideration for standardization. If my cryptosystem (or the derived cryptosystem) is removed from consideration for standardization or withdrawn from 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:



Title: Associate Professor

Date: November 2, 2017

Place: Toulouse, France

I, Nicolas Aragon, of University of Limoges, 123 avenue Albert Thomas, 87060 Limoges Cedex, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, 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 which may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC; **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)____ ;

I do hereby declare that, 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: Nicolas Aragon

A handwritten signature in black ink, appearing to read 'Aragon', with a long horizontal stroke extending to the right.

Title: Ph. D. Student

Date: April the 3rd, 2018

Place: Limoges

I, Slim BETTAIEB, of Worldline, Zone Industrielle A, Rue de la Pointe, 59113 Seclin, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that:

- I do not hold and do not intend to hold any patent or patent application with a claim which may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC; **OR:**
 - to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, may be covered by the following U.S. and/or foreign patents: US9094189 B2 and FR 10/51190;
 - I do hereby declare that, 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: US9094189 B2 and FR 10/51190.

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Signed:



Title: Research Engineer, PhD

Date: November 9, 2017

Place: Seclin, France

I, Loïc (Thierry) BIDOUX, of Worldline, Zone Industrielle A, Rue de la Pointe, 59113 Seclin, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that:

- I do not hold and do not intend to hold any patent or patent application with a claim which may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC; **OR:**
 - to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, may be covered by the following U.S. and/or foreign patents: US9094189 B2 and FR 10/51190;
 - I do hereby declare that, 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: US9094189 B2 and FR 10/51190.

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Signed:



Title: Research Engineer, PhD

Date: November 9, 2017

Place: Seclin, France

I, Olivier Blazy of University of Limoges, 123 Av. Albert Thomas, 87000 Limoges, France, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, 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 which may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC; 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)_____;

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I do hereby agree to provide the statements required by Sections 2.D.2 and 2.D.3, below, for any patent or patent application identified to cover the practice of my cryptosystem, reference implementation or optimized implementations and the right to use such implementations for the purposes of the public review and evaluation process.

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Signed: Olivier Blazy

Title: Assistant Prof

Date: November 28, 2017

Place: Limoges, France

I, Jean-Christophe Deneuville, of INSA-CVL, 88 boulevard Lahitolle, 18000 Bourges, FRANCE, and University of Limoges, 123 avenue Albert Thomas, 87060 Limoges Cedex, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, 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: Jean-Christophe Deneuille

A handwritten signature in black ink, appearing to be 'Jean-Christophe Deneuille', written in a cursive style.

Title: Ph.D. post-doc

Date: April the 3rd, 2018

Place: Bourges

I, Philippe GABORIT of University of Limoges, 123 av. A. Thomas, 87000 Limoges France

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I further declare that (check one):

I do not hold and do not intend to hold any patent or patent application with a claim which may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as _____; **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) HQC, may be covered by the following U.S. and/or foreign patents: _____ (describe and enumerate or state "none" if applicable) _____; US 9094189 B2 and FR 10151190

I do hereby declare that, 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: [Signature] P. GABORIT
Title: Professeur
Date: 28 nov. 2017
Place: Limoges

I, Edoardo Persichetti, of Department of Mathematical Sciences, Florida Atlantic University, 777 Glades Rd, Boca Raton, FL 33431, USA, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, 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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I do hereby declare that, 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: Edoardo Persichetti

A handwritten signature in black ink, appearing to be 'EP', written in a cursive style.

Title: Assistant Professor

Date: April the 3rd, 2018

Place: Boca Raton, Florida, USA

I, Gilles ZÉMOR, of Institut de Mathématiques de Bordeaux, 351 cours de la Libération, 33405 Talence Cedex, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that:

- I do not hold and do not intend to hold any patent or patent application with a claim which may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC; **OR:**
 - to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, may be covered by the following U.S. and/or foreign patents: US9094189 B2 and FR 10/51190;
 - I do hereby declare that, 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: US9094189 B2 and FR 10/51190.

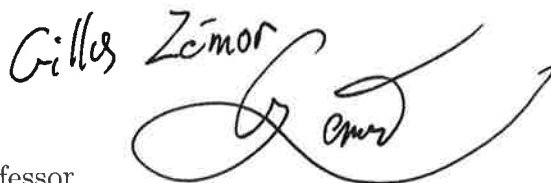
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Signed:

Gilles Zémor


Title: Professor

Date: November 2, 2017

Place: Bordeaux, France

I, Philippe GABORIAU, University of Limoges, 123 av. A. Thomas, 87000 Limoges France

am the owner of the following patents and/or patent applications: "Cryptographic method for communicating confidential information" US9094189 B2, and "Procédé cryptographique de communication d'une information confidentielle" FR 10/51190, and do hereby commit and agree to grant to any interested party on a worldwide basis, if the cryptosystem known as, ~~XXXXXXXXXX~~ HQC is selected for standardization, in consideration of its evaluation and selection by NIST, a non-exclusive license for the purpose of implementing the standard (check one):

without compensation and under reasonable terms and conditions that are demonstrably free of any unfair discrimination, **OR**

under reasonable terms and conditions that are demonstrably free of any unfair discrimination.

I further do hereby commit and agree to license such party on the same basis with respect to any other patent application or patent hereafter granted to me, or owned or controlled by me, that is or may be necessary for the purpose of implementing the standard.

I further do hereby commit and agree that I will include, in any documents transferring ownership of each patent and patent application, provisions to ensure that the commitments and assurances made by me are binding on the transferee and any future transferee.

I further do hereby commit and agree that these commitments and assurances are intended by me to be binding on successors-in-interest of each patent and patent application, regardless of whether such provisions are included in the relevant transfer documents.

I further do hereby grant to the U.S. Government, during the public review and the evaluation process, and during the lifetime of the standard, a nonexclusive, nontransferrable, irrevocable, paid-up worldwide license solely for the purpose of modifying my submitted cryptosystem's specifications (e.g., to protect against a newly discovered vulnerability) for incorporation into the standard.

Signed: P. GABORIAU 

Title: Professor
Date: November 28 2017
Place: Limoges.

I, *Carlos AGUILAR MELCHOR* of *ENSEE IHT, 2 rue Charles Camichel, 31000 Toulouse* am the owner of the following patents and/or patent applications: "Cryptographic method for communicating confidential information" US9094189 B2, and "Procédé cryptographique de communication d'une information confidentielle" FR 10/51190, and do hereby commit and agree to grant to any interested party on a worldwide basis, if the cryptosystem known as, *HAC*, is selected for standardization, in consideration of its evaluation and selection by NIST, a non-exclusive license for the purpose of implementing the standard (check one):

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Signed:



Title: *Associated Professor*
Date: *Nov 2, 2017*
Place: *Toulouse, FRANCE*

Statement by Patent Owner

I, Marion BLIN, interim Regional Delegate of CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, 3 rue Michel Ange, 75794 PARIS cedex 16 FRANCE, am the authorized representative of the owner of the following patent(s) and/or patent application(s):

- French Priority Patent: Procédé cryptographique de communication d'une information confidentielle, FR 10/51190, February 18th, 2010, and its validated extensions in France, in Germany, in Swiss, in United Kingdom, United States, and in Japan,

and do hereby commit and agree to grant to any interested party on a worldwide basis, if the cryptosystem known as HQC is selected for standardization, in consideration of its evaluation and selection by NIST, a non-exclusive license for the purpose of implementing the standard (check one):

without compensation and under reasonable terms and conditions that are demonstrably free of any unfair discrimination, OR

under reasonable terms and conditions that are demonstrably free of any unfair discrimination.

I further do hereby commit and agree to license such party on the same basis with respect to any other patent application or patent hereafter granted to me, or owned or controlled by me, that is or may be necessary for the purpose of implementing the standard.

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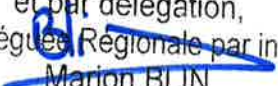
Délégation Centre Limousin
Poitou-Charentes

www.cnrs.fr

3^e avenue de la Recherche Scientifique
CS 10065
45071 Orléans Cedex 2

T 02 38 25 52 00
F 02 38 69 70 31

cryptosystem's specifications (e.g., to protect against a newly discovered vulnerability) for incorporation into the standard.

Signé (la) Président(e) du CNRS
et par délégation,
La Déléguée Régionale par intérim

Marion BLIN

Title: Regional Delegate

Date: 20.11.2017

Place: Orléans, France

I, Edoardo Persichetti, of Department of Mathematical Sciences, Florida Atlantic University, 777 Glades Rd, Boca Raton, FL 33431, USA, 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: Edoardo Persichetti

A handwritten signature in black ink, appearing to read 'E. Persichetti', written in a cursive style.

Title: Assistant Professor

Date: April the 3rd, 2018

Place: Boca Raton, Florida, USA

I, Philippe GABRIEL, University of Liège, 123 av. A. Thomas 8700 Liège France

, am the owner of the submitted reference implementation *Hyac* 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: *P. Gabriel*
Title: Assoc Prof.
Date: 28 Nov 2017
Place: Liège.

I, Jean-Christophe Deneuville, of INSA-CVL Bourges, 88 boulevard Lahitolle, 18000 Bourges, FRANCE, and University of Limoges, 123 avenue Albert Thomas, 87060 Limoges Cedex, FRANCE, am 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: Jean-Christophe DENEUVILLE

A handwritten signature in black ink, appearing to read 'Jean-Christophe Deneuville', written over a horizontal line.

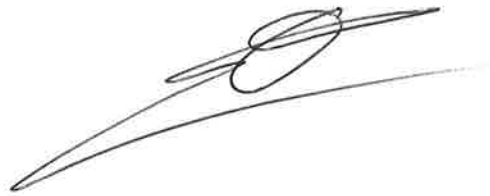
Title: Ph. D. post-doc

Date: April the 3rd, 2018

Place: Bourges

I, Olivier Blazy, University of Limoges, 123 Av. Albert Thomas
87000 Limoges, France, am the owner of the submitted reference implementation HQC 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: Olivier Blazy
Title: Assistant Prof
Date: November 28, 2017
Place: Limoges, France



I, Loïc (Thierry) BIDOUX, of Worldline, Zone Industrielle A, Rue de la Pointe, 59113 Seclin, FRANCE, am 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: Research Engineer, PhD

Date: November 9, 2017

Place: Seclin, France

I, Slim BETTAIEB, of Worldline, Zone Industrielle A, Rue de la Pointe, 59113 Seclin, FRANCE, am 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 blue ink, consisting of stylized, overlapping loops that resemble the letters 'S' and 'B'.

Title: Research Engineer, PhD

Date: November 9, 2017

Place: Seclin, France

I, Nicolas Aragon, of University of Limoges, 123 avenue Albert Thomas, 87060 Limoges Cedex, FRANCE, am 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: Nicolas ARAGON

A handwritten signature in black ink, appearing to read 'Aragon', with a long horizontal stroke extending to the right.

Title: Ph. D. Student

Date: April the 3rd, 2018

Place: Limoges

I, Carlos AGUILAR MELCHOR, of ENSEEIHT, 2 rue Charles Camichel, 31000 Toulouse, FRANCE, am 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: Associate Professor

Date: November 2, 2017

Place: Toulouse, France

I, Gilles Zémor

33400 Talence France

.IMB, University of Bordeaux, 351 Cours de la Libération

, am the owner of the submitted reference implementation HQ c 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: Professor

Date: November 2, 2017

Place: Bordeaux France



I, Jean-Christophe DENEUVILLE, of ENAC, University of Toulouse, 7 Avenue Edouard Belin, 31400 Toulouse, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that:

- I do not hold and do not intend to hold any patent or patent application with a claim which may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC; **OR:**
 - to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, may be covered by the following U.S. and/or foreign patents: US9094189 B2 and FR 10/51190;
 - I do hereby declare that, 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: US9094189 B2 and FR 10/51190.

I do hereby acknowledge and agree that my submitted cryptosystem will be provided to the public for review and will be evaluated by NIST, and that it might not be selected for standardization by NIST. I further acknowledge that I will not receive financial or other compensation from the U.S. Government for my submission. I certify that, to the best of my knowledge, I have fully disclosed all patents and patent applications which may cover my cryptosystem, reference implementation or optimized implementations. I also acknowledge and agree that the U.S. Government may, during the public review and the evaluation process, and, if my submitted cryptosystem is selected for standardization, during the lifetime of the standard, modify my submitted cryptosystem's specifications (e.g., to protect against a newly discovered vulnerability).

I acknowledge that NIST will announce any selected cryptosystem(s) and proceed to publish the draft standards for public comment.

I do hereby agree to provide the statements required by Sections 2.D.2 and 2.D.3, below, for any patent or patent application identified to cover the practice of my cryptosystem, reference implementation or optimized implementations and the right to use such implementations for the purposes of the public review and evaluation process.

I acknowledge that, during the post-quantum algorithm evaluation process, NIST may remove my cryptosystem from consideration for standardization. If my cryptosystem (or the derived cryptosystem) is removed from consideration for standardization or withdrawn from 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:



Title: Associate Professor

Date: May 20, 2021

Place: Toulouse, France

I, Jean-Christophe DENEUVILLE, of ENAC, University of Toulouse, 7 Avenue Edouard Belin, 31400 Toulouse, FRANCE, am 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 be 'JC Deneuville', written over a horizontal line.

Title: Associate Professor

Date: May 20, 2021

Place: Toulouse, France

I, Jurjen Bos, of equensWorldline, Utrecht (part of Wordline) am 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 blue ink, appearing to be 'J. Bos', written over a faint horizontal line.

Date: July 30, 2019

Place: Utrecht

I, Arnaud DION, of ISAE-SUPAERO, University of Toulouse, 10 Avenue Edouard Belin, 31055 Toulouse, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that:

I do not hold and do not intend to hold any patent or patent application with a claim which may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC; **OR:**

to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, may be covered by the following U.S. and/or foreign patents: US9094189 B2 and FR 10/51190;

I do hereby declare that, 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: US9094189 B2 and FR 10/51190.

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I acknowledge that NIST will announce any selected cryptosystem(s) and proceed to publish the draft standards for public comment.

I do hereby agree to provide the statements required by Sections 2.D.2 and 2.D.3, below, for any patent or patent application identified to cover the practice of my cryptosystem, reference implementation or optimized implementations and the right to use such implementations for the purposes of the public review and evaluation process.

I acknowledge that, during the post-quantum algorithm evaluation process, NIST may remove my cryptosystem from consideration for standardization. If my cryptosystem (or the derived cryptosystem) is removed from consideration for standardization or withdrawn from 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:



Title: Research Engineer

Date: May 20, 2021

Place: Toulouse, France

I, Jérôme LACAN, of ISAE-SUPAERO, University of Toulouse, 10 Avenue Edouard Belin, 31055 Toulouse, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that:

- I do not hold and do not intend to hold any patent or patent application with a claim which may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC; **OR:**
 - to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, may be covered by the following U.S. and/or foreign patents: US9094189 B2 and FR 10/51190;
 - I do hereby declare that, 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: US9094189 B2 and FR 10/51190.

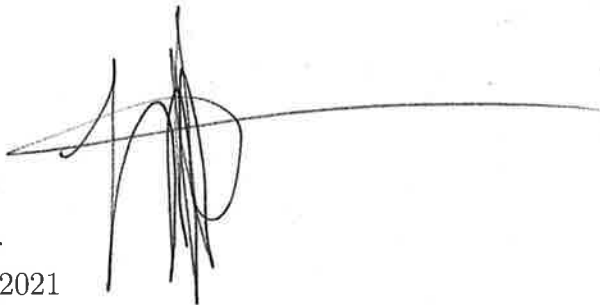
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Signed:



Title: Professor

Date: May 20, 2021

Place: Toulouse, France

I, Jérôme LACAN, of ISAE-SUPAERO, University of Toulouse, 10 Avenue Edouard Belin, 31055 Toulouse, FRANCE, am 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, consisting of several vertical strokes followed by a horizontal line that curves upwards and to the right.

Title: Professor

Date: May 20, 2021

Place: Toulouse, France

I, Jean-Marc ROBERT, of Laboratory IMath, University of Toulon, CS 60584, 83041 Toulon Cedex 9, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that:

I do not hold and do not intend to hold any patent or patent application with a claim which may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC; **OR:**

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Signed:



Title: Associate Professor

Date: May 20, 2021

Place: Toulon, France

I, Jean-Marc ROBERT, of Laboratory IMath, University of Toulon, CS 60584, 83041 Toulon Cedex 9, FRANCE, am 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 be 'J. Robert', with a long horizontal flourish extending to the right.

Title: Associate Professor

Date: May 20, 2021

Place: Toulon, France

I, Pascal VÉRON, of Laboratory IMath, University of Toulon, CS 60584, 83041 Toulon Cedex 9, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as HQC, is my own original work, or if submitted jointly with others, is the original work of the joint submitters.

I further declare that:

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Signed:



Title: Associate Professor

Date: May 20, 2021

Place: Toulon, France

I, Pascal VÉRON, of Laboratory IMath, University of Toulon, CS 60584, 83041 Toulon Cedex 9, FRANCE, am 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: Associate Professor

Date: May 20, 2021

Place: Toulon, France