I, Alessandro Budroni, Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirate, 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.

Almhus Bulun.

Signed: Alessandro Budroni

Title: Doctor

Date: 29/05/2023 Place: Abu Dhabi, UAE I, Andre Esser, Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirate, 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: Andre Esser

Title: Dr.

Date: 29/05/2023 Place: Abu Dhabi, UAE A.Esser

A. Jan

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

The following must also be included:

I, _Jean-Pierre Tillich_____, at Inria de Paris, 2 rue Simone Iff, Paris 75012____, am the owner or authorized representative of the owner (print full name, if different than the signer) of the PERK 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: Dr

Date: May, 29, 2023

Place: Inria de Paris, 2 rue Simone Iff, Paris 75012

I, Loïc Bidoux, Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirate, 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: Loïc Bidoux

Title: Dr

Date: 31/05/2023

Place: Abu Dhabi, UAE



I, LUCAS PANDOLFO PERIN, Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirate, 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.

Loucas Perin

Signed: Lucas Pandolfo Perin

Title: Dr.

Date: 29/05/2023 Place: Abu Dhabi I, Marco Palumbi, Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirate, 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.

le oues Palunt

Signed: Marco Palumbi

Title:

Date: May 29 2023 Place: Abu Dhabi I, Mukul Ramesh Kulkarni, of Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirates, 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: Mukul Ramesh Kulkarni

Title: Dr.

Date: May 29, 2023 Place: Abu Dhabi, UAE I, Najwa Aaraj, Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirate, 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: Najwa Aaraj

Title: Dr

Date: 29 May, 2023 Place: Abu Dhabi, UAE



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

The following must also be included:

I, Philippe Gaborit, XLIM University of Limoges, 123 av A. Thomas, 87000 Limoges FRANCE, am the owner or authorized representative of the owner (print full name, if different than the signer) of the PERK 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: Philippe Gaborit

Title: Professor Date: May 29 2023 Place:Limoges P. Gaborit.

I, **Slim Bettaieb**, **Technology Innovation Institute**, **P.O.Box: 9639**, **Masdar City**, **Abu Dhabi**, **United Arab Emirate**, 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: Dr.

Date: May 29, 2023 Place: Abu Dhabi



I, Victor Dyseryn, from XLIM, University of Limoges, 123, avenue Albert Thomas, 87000 Limoges, 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: Victor Dyseryn

Title: Mr.

Date: 29/05/2023 Place: Limoges, France I, Víctor Mateu Meseguer, Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirates, 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: Víctor Mateu Meseguer

Title: Dr

Date: 29th May 2023 Place: Abu Dhabi, UAE I, Alessandro Budroni, of the Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirate, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK, 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):

	could be amended to include a claim that may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK ;
	to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK , may be covered by the following U.S. and/or foreign patents: NONE ;
ma	to the best of my knowledge, the following pending U.S. and/or foreign patent applications cover the practice of my submitted cryptosystem, reference implementation or
optimi	•

I do not hold and do not intend to hold any patent or patent application with a claim or that

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.

Almhur glinn.

Signed: Alessandro Budroni

Title: Doctor Date: 29/05/2023 Place: Abu Dhabi, UAE I, Andre Esser, of the Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirate, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK, 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 PERK ;
	to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK , may be covered by the following U.S. and/or foreign patents: NONE ;
ma optimi	

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).

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Signed: Andre Esser

Title: Dr.

Date: 29/05/2023

Place: Abu Dhabi, UAE

A. Esser

2.D.1 Statement by Each Submitter

I,	Jean-Pierre Tillich	, of Inria de Paris, 2 rue Simone Iff, Paris 75012,
Fran	ace, do hereby de	clare that the cryptosystem, reference implementation, or
•	· •	hat I have submitted, known as PERK, is my own original work thers, is the original work of the joint submitters.
	ther declare that (check	

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 PERK;

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).

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Signed: Title: Dr

Date: May, 29, 2025

Place: Inria de Paris, 2 rue Simone Iff, Paris 75012, France

I, **Loïc Bidoux**, of the **Technology Innovation Institute**, **P.O.Box: 9639**, **Masdar City**, **Abu Dhabi**, **United Arab Emirate**, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **PERK**, 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 PERK ;
to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK , may be covered by the following U.S. and/or foreign patents: NONE ;
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: NONE .

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).

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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: Loïc Bidoux

Title: Dr

Date: 31/05/2023 Place: Abu Dhabi, UAE



I, LUCAS PANDOLFO PERIN, of the Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirate, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK, 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 an could be amen implementation,	nded to inc	lude a cl	aim that	may	cover the	cryptosystem,	reference
	to the best of m optimized imple following U.S. a	ementations t	that I have	submitted			-	
1.		-	_		_		J.S. and/or fo	
applica	ations may	cover	the prac	ctice of	my	submitted	cryptosystem	, reference
impler	nentation or optin	nized		impler	nentati	ions: NONI	Ξ.	

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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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Loucas Perin

Signed: Lucas Pandolfo Perin

Title: Dr.

Date: 29/05/2023 Place: Abu Dhabi I, Marco Palumbi, of the Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirate, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK, 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):

	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 PERK ;
	to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK , may be covered by the following U.S. and/or foreign patents: NONE ;
ma optimi	to the best of my knowledge, the following pending U.S. and/or foreign patent applications cover the practice of my submitted cryptosystem, reference implementation or implementations: NONE .

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.

Marco Polint

Signed: Marco Palumbi

Title:

Date: May 29 2023 Place: Abu Dhabi I, Mukul Ramesh Kulkarni, of Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirates, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK, 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):

NONE.

amended to include a claim that may cover the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK ;
to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as \mathbf{PERK} , may be covered by the following U.S. and/or foreign patents: \mathbf{NONE} ;
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:

☑ I do not hold and do not intend to hold any patent or patent application with a claim or that could be

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: Mukul Ramesh Kulkarni

Title: Dr.

Date: May 29, 2023 Place: Abu Dhabi, UAE I, Najwa Aaraj, of the Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirate, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK, 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 PERK ;
	to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK , may be covered by the following U.S. and/or foreign patents: NONE ;
] ma	to the best of my knowledge, the following pending U.S. and/or foreign patent applications cover the practice of my submitted cryptosystem, reference implementation or
optimi	

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).

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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.

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: Najwa Aaraj

Title: Dr

Date: 29 May 2023 Place: Abu Dhabi, UAE

2.D.1 Statement by Each Submitter

I, Philippe Gaborit, of XLIM, University of Limoges 123 av A. Thomas, 87000 Limoges, FRANCE, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK, 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 PERK;

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).

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flit

Signed:Philippe Gaborit

Title: Professor Date: May 29 2023 Place:Limoges I, **Slim Bettaieb**, of the **Technology Innovation Institute**, **P.O.Box: 9639**, **Masdar City**, **Abu Dhabi**, **United Arab Emirate**, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **PERK**, 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 an could be amen implementation,	nded to inc	lude a cl	aim that	may	cover the	cryptosystem,	reference
	to the best of m optimized imple following U.S. a	ementations t	hat I have	submitted	0 1		-	
	to the b	est of my	knowledge	, the foll	owing	pending U	J.S. and/or fo	reign patent
11	ations may		the prac				cryptosystem	ı, reference
implen	nentation or optin	nized		impleı	mentati	ions: NONE	J.	

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: Dr.

Date: May 29, 2023 Place: Abu Dhabi



I, Victor Dyseryn, from XLIM, University of Limoges, 123, avenue Albert Thomas, 87000 Limoges, France, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK, 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 PERK ;
to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK , may be covered by the following U.S. and/or foreign patents: NONE ;
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: NONE .

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: Victor Dyseryn

Title: Mr.

Date: 29/05/2023

Place: Limoges, France

I, Víctor Mateu Meseguer, of the Technology Innovation Institute, P.O.Box: 9639, Masdar City, Abu Dhabi, United Arab Emirates, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK, 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 PERK ;
	to the best of my knowledge, the practice of the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as PERK , may be covered by the following U.S. and/or foreign patents: NONE ;
ma optimi	

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.

Lita A

Signed: Víctor Mateu Meseguer

Title: Dr

Date: 29th May 2023 Place: Abu Dhabi, UAE.