Statement by Each Submitter

I, _Lih-Chung Wang_, of _Department of Applied Mathematics, National Dong Hwa University,_
No. 1, Sec. 2, Da Hsueh Rd., Shoufeng, Hualien 974301, Taiwan, R.O.C. , do hereby declare that
the cryptosystem, reference implementation, or optimized implementations that I have
submitted, known as _SNOVA_, 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 _SNOVA_; **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
SNOVA, 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: Lih-Chung Wang

Title: Professor

Date: 2023/02/16

Place: Department of Applied Mathematics, National Dong Hwa University, No. 1, Sec. 2, Da Hsueh Rd., Shoufeng, Hualien 974301, Taiwan, R.O.C.

Statement by Each Submitter

I, <u>Po-En Tseng</u>, of <u>Department of Applied Mathematics, National Dong Hwa University,</u>
<u>No. 1, Sec. 2, Da Hsueh Rd., Shoufeng, Hualien 974301, Taiwan, R.O.C.</u> , do hereby declare that
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<u>SNOVA</u>, may be covered by the following U.S. and/or foreign patents: <u>None</u>;

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implementation or optimized implementations: <u>None</u>.

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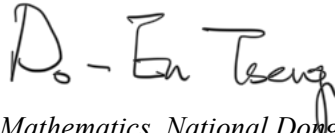publish the draft standards for public comment.

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reference implementation or optimized implementations and the right to use such
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Signed: Po-En Tseng
Title: Mr.
Date: 2023/02/16
Place: Department of Applied Mathematics, National Dong Hwa University, No. 1, Sec. 2, Da Hsueh Rd., Shoufeng, Hualien 974301, Taiwan, R.O.C.

Statement by Each Submitter

I, _Yen-Liang Kuan_, of _Department of Applied Mathematics, National Dong Hwa University,_
No. 1, Sec. 2, Da Hsueh Rd., Shoufeng, Hualien 974301, Taiwan, R.O.C. , do hereby declare that
the cryptosystem, reference implementation, or optimized implementations that I have
submitted, known as _SNOVA_, 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 _SNOVA_; **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
 SNOVA, 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_.

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my cryptosystem, reference implementation or optimized implementations. I also
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Signed: Yen-Liang Kuan
Title: Professor
Date: 2023/02/16
Place: Department of Applied Mathematics, National Dong Hwa University, No. 1, Sec. 2, Da Hsueh Rd., Shoufeng, Hualien 974301, Taiwan, R.O.C.

Statement by Each Submitter

I, <u>Chun-Yen Chou</u>, of <u>Department of Applied Mathematics, National Dong Hwa University,</u>
<u>No. 1, Sec. 2, Da Hsueh Rd., Shoufeng, Hualien 974301, Taiwan, R.O.C.</u> , do hereby declare that
the cryptosystem, reference implementation, or optimized implementations that I have
submitted, known as <u>SNOVA</u>, 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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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 <u>SNOVA</u>; **OR** (check one or both of the following):

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implementation, or optimized implementations that I have submitted, known as
<u>SNOVA</u>, may be covered by the following U.S. and/or foreign patents: <u>None</u>;

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implementation or optimized implementations: <u>None</u>.

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Signed: Chun-Yen Chou

Title: Professor

Date: 2023/02/16

Place: Department of Applied Mathematics, National Dong Hwa University, No. 1, Sec. 2, Da Hsueh Rd., Shoufeng, Hualien 974301, Taiwan, R.O.C.

Statement by Each Submitter

I, _Chia-Chun Wang_, of _F.-5, No. 168, Xinshou St., Xingchang Vil., Xinxing Dist., Kaohsiung City 800 , Taiwan, R.O.C._, do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as _SNOVA_, 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 _SNOVA_; **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 _SNOVA_, 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.

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Signed: Chia-Chun Wang
Title: Mr.
Date: 2023/02/16
Place: F.-5, No. 168, Xinshou St., Xingchang Vil., Xinxing Dist., Kaohsiung City 800 , Taiwan, R.O.C.

Statement by Each Submitter

I, _Ming-Siou Li_, of _9F.-4, No. 98, Zhonghua 3rd Rd., Qianjin Dist., Kaohsiung City 801 , Taiwan, R.O.C._ , _do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as_ _SNOVA_, _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_ _SNOVA_; **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_ _SNOVA_, _may be covered by the following U.S. and/or foreign patents:_ _None_;

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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: Ming-Siou Li
Title: Mr.
Date: 2023/02/16
Place: 9F.-4, No. 98, Zhonghua 3rd Rd., Qianjin Dist., Kaohsiung City 801 , Taiwan, R.O.C.

Statement by Each Submitter

I, *Bo-Shu Tseng*, of *No. 18, Ln. 32, Pizitou Rd., Zuoying Dist., Kaohsiung City 813 , Taiwan, R.O.C.* , *do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as SNOVA, 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 SNOVA; 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 SNOVA, 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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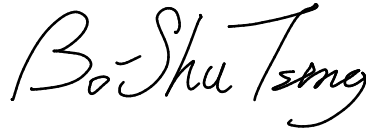
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Signed: Bo-Shu Tseng

Title: Mr.

Date: 2023/02/16

Place: No. 18, Ln. 32, Pizitou Rd., Zuoying Dist., Kaohsiung City 813 , Taiwan, R.O.C.

Statement by Each Submitter

I, *Jintai Ding*, of ___8770 Wellerstation Dr. OH. USA 45249___ ,
do hereby declare that the cryptosystem, reference implementation, or optimized
implementations that I have submitted, known as <u>SNOVA</u>, is my own original work, or if
submitted jointly with others, is the original work of the joint submitters.

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Signed: Jintai Ding

Title: Professor

Date: 2023.05.12

Place: Beijing, china.