

2.D.1 Statement by Each Submitter

I, Antonia Wachter-Zeh,
of Technical University of Munich,

do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **FuLeeca**, 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 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 **FuLeeca**;

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 If my cryptosystem (or the derived cryptosystem) is removed from consideration for standardization or withdrawn from consideration by all submitter(s) and owner(s), I understand that rights granted and assurances made under Sections 2.D.1, 2.D.2 and 2.D.3, including use rights of the reference and optimized implementations, may be withdrawn by the submitter(s) and owner(s), as appropriate.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:

A. Wachter-Zeh

Title:

Prof. Dr.-Ing

Date:

31.05.2023

Place:

Munich

2.D.2 Statement by Patent (and Patent Application) Owner(s)

Since no patent is identified, we omit this statement.

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

I, Antonia Wachter-Zeh
of Technical University of Munich

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. Wachter-Zeh

Title: Prof. Dr.-Ing.

Date: 31.05.23

Place: Munich

2.D.1 Statement by Each Submitter

I, Georg Maringer
of Technical University of Munich

do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **FuLeeca**, 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 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 **FuLeeca**;

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:

Georg Maringer

Title:

M.Sc.

Date:

31.05.2023

Place:

Munich, Germany

2.D.2 Statement by Patent (and Patent Application) Owner(s)

Since no patent is identified, we omit this statement.

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

I, Georg Maringer
of Technical University of Munich

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: Georg Maringer

Title: M.Sc.

Date: 31.05.2023

Place: Munich, Germany

2.D.1 Statement by Each Submitter

I, Georg Sigl
of Technical University of Munich

do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **FuLeeca**, 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 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 **FuLeeca**;

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: Georg Sigl
Title: Prof. Dr.-Ing.
Date: 31. Mai 2023
Place: Munich

2.D.2 Statement by Patent (and Patent Application) Owner(s)

Since no patent is identified, we omit this statement.

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

I, Georg Sijl
of Technical University of Munich,

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: G. Sijl
Title: Prof. Dr.-Ing.
Date: 31. Mai 2023
Place: Munich

2.D.1 Statement by Each Submitter

I, Jonas Schupp,
of Technical University of Munich (TUM),

do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **FuLeeca**, 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 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 **FuLeeca**;

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: J. Schupp
Title:
Date: 31.05.2023
Place: Munich, Germany

2.D.2 Statement by Patent (and Patent Application) Owner(s)

Since no patent is identified, we omit this statement.

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

I, Jonas Schupp,
of Technical University of Munich,

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: J. Schupp

Title:

Date: 31.05.2023

Place: Munich, Germany

2.D.1 Statement by Each Submitter

I, Patrick Karl,
of Technical University of Munich, Germany,

do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **FuLeeca**, 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 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 **FuLeeca**;

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: Patrick Karl

Title:

Date: 31.05.2023

Place: Munich, Germany

2.D.2 Statement by Patent (and Patent Application) Owner(s)

Since no patent is identified, we omit this statement.

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

I, Patrick Karl,
of Technical University of Munich, Germany,

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: Patrick Karl

Title:

Date: 31.05.2023

Place: Munich, Germany

2.D.1 Statement by Each Submitter

I, Sebastian Bitzer
of Technical University of Munich (TUM)

do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **FuLeeca**, 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 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 **FuLeeca**;

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:

S. Bitzer

Title:

Date:

31.05.23

Place:

Munich, Germany

2.D.2 Statement by Patent (and Patent Application) Owner(s)

Since no patent is identified, we omit this statement.

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

I, Sebastian Biber
of Technical University of Munich (TUM)

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: S. Biber

Title:

Date: 31.05.23

Place: Munich, Germany

2.D.1 Statement by Each Submitter

I, Stefan Ritterhoff
of Technical University of Munich

do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **FuLeeca**, 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 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 **FuLeeca**;

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: Stefan Ritterhoff

Title: B. Sc.

Date: 31.05.2023

Place: Munich, Germany

2.D.2 Statement by Patent (and Patent Application) Owner(s)

Since no patent is identified, we omit this statement.

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

I, Stefan Ritterhoff,
of Technical University of Munich

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: Stefan Ritterhoff

Title: B.Sc

Date: 31.05.2023

Place: Munich, Germany

2.D.1 Statement by Each Submitter

I, Thomas Schamberge
of Technical University of Munich

do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **FuLeeca**, 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 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 **FuLeeca**;

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Signed: T. Schamberge

Title: M.Sc.

Date: 31.01.2023

Place: Munich

2.D.2 Statement by Patent (and Patent Application) Owner(s)

Since no patent is identified, we omit this statement.

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

I, Thomas Schamberger,
of Technical University of Munich,

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: T. Schamberger

Title: M.Sc.

Date: 31.05.2023

Place: Munich

2.D.1 Statement by Each Submitter

I, VIOLETTA WEGER
of TECHNICAL UNIVERSITY OF MUNICH

do hereby declare that the cryptosystem, reference implementation, or optimized implementations that I have submitted, known as **FuLeeca**, 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 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 **FuLeeca**;

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Signed:

V. Weger

Title:

DR

Date:

31.05.23

Place:

MUNICH, GERMANY

2.D.2 Statement by Patent (and Patent Application) Owner(s)

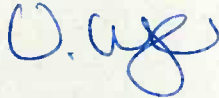
Since no patent is identified, we omit this statement.

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

I, VIOLETTA WEGER,
of TECHNICAL UNIVERSITY OF MUNICH

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:

31.05.23

Place:

MUNICH