**CONSENT FORM**

**You are being asked to participate in a research pilot as end User Beta-Tester. Before you give your consent to volunteer, it is important you read the following information and ask as many questions as necessary to be sure you understand what you will be asked to do.**

**Purpose of the Research**

The objective of the ReCRED project is to design and implement mechanisms that anchor all access control (AC) needs to mobile devices that users habitually use and carry. It aims to build integrated next generation access control (AC) solution that satisfies the following properties:

* It solves the following problems that stem from the weaknesses of the current authentication methods, namely: a) password overload, referring to the inability of users to remember different secure passwords for each one of their accounts; b) identity fragmentation, stemming from the fact that independent identity providers (email, social networks, etc.) create disjoint identity realms, making it difficult for end users to prove joint ownership of accounts, e.g., for reputation transfer or to fend off impersonation attacks; c) lack of real-world identity binding to an individual’s legal presence, e.g., id number, passport, etc.; and d) lack of support for attribute-based access control, which facilitates account-less access through verified identity attributes (e.g., age or location).
* It is aligned with current technological trends and capabilities.
* It offers a unifying access control framework that is suitable for a multitude of use cases that involve online and physical authentication and authorization via an off-the-shelf mobile device
* It is attainable and feasible to implement in the existing products under the scope and timeframe of the project.

**Purpose of Pilot**

The purpose of this pilot program ("Pilot") is to demonstrate the feasibility and availability of an alternative way for students and staff of the university to get access to the Campus Wi-Fi and Web Services. This Pilot enables the users to authenticate with fingerprint (otherwise with pin if the device doesn’t have a fingerprint scanner) instead of the traditional username/password. Furthermore, the Pilot offers an Attribute based Access Control scheme where the users can choose which identity attributes want to reveal for each Authorization attempt. The users get access to the network resources according to the identity attributes that chose to reveal and the pre-defined access control policies (defined by the members of the project).

This Pilot combines some promising technologies and it is important to assess the user experience. In order to do that, we seek to recruit real users to test the proposed software solution.

**Description of the Pilot Procedures**

If you agree to be in this Pilot, you will be asked to do the following things:

* You will need to install the ReCRED Mobile App on your mobile phone (only Android).
* You will need to provide some personal data that will be used for the Authentication and Authorization to the Campus Wi-Fi and Web Services. Note that you have the right to not provide some of the data below but you will not be able to use this information for future Authorization attempts. See Schedule B for a full list of all the personal information.
* You will be asked to fill a questionnaire that will help the members of the project to assess the user- experience. This will help the members of the project to assess the usability of the proposed software components.

**Participants**

Tests with end Users are coordinated by Cyprus University of Technology (CUT). See contact details and persons responsible in Schedule C.

ReCRED is an R & D project financed by the EU within the HD-2020-DS-2014 program and developed by a consortium of organizations that have the following participants:

* CYPRUS UNIVERSITY OF TECHNOLOGY (CUT)
* UNIVERSITY OF PIRAEUS RESEARCH CENTER (UPRC)
* TELEFONICA INVESTIGACION Y DESARROLLO SA (TID)
* VERIZON (VERIZON)
* CERTSIGN SA (CSGN)
* WEDIA LIMITED (WEDIA)
* EXUS SOFTWARE LTD (EXUS)
* UPCOM BVBA (UPCOM)
* DE PRODUCTIZERS B.V (PROD)
* UNIVERSIDAD CARLOS III DE MADRID (UC3M)
* CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE TELECOMUNICAZIONI (CNIT)
* STUDIO PROFESSIONALE ASSOCIATO A BAKER & McKENZIE (BAK)

**Definitions**

(a) " Product" means the ReCRED solutions specified in Schedule A attached hereto, including Software and Documentation.

(b) "User" means the adult person that signs this Consent Form to be a User Beta-Tester. Personal data collected belong to the following categories of data subjects:

* students of [*University, department*];
* professors of [*University, department*].

(c) "Beta Test Period" means the period between May 2016 and May 2018.

(c) "Software" means the computer programs provided in object code format as part of a Product.

(d) "Documentation" means such supporting written materials as ReCRED may in its discretion provide to User in connection with their use of a Product.

**Scope**

This Consent Form sets forth the terms and conditions for the beta installation, use, test and support of certain ReCRED products in a user equipment prior to formal product release.

**Obligation of Users**

(a) Testing. During the Beta Test Period, User agrees to install and run test programs. User also agrees to use such special and non-standard operating procedures as may be reasonably required by ReCRED to accomplish testing of the Product.

(b) Contacts. The User Contact designated on attached Schedule B shall provide to the Beta Coordinator designated on attached Schedule B, reports on all test and performance results of the Product on a weekly basis.

(c) Error Notice. Users Product Manager shall notify ReCRED of any failure, error or other malfunction of any part of the Product within twenty-four (24) hours of such occurrence.

(d) Modifications. User agrees to promptly implement such modifications and changes that ReCRED may make to the Product during the Beta Test Period as they are provided by ReCRED. User understands that these modifications and changes may be incompatible with previous modifications and could include substantial changes to the system and its operating procedures. Except as otherwise specified in this Consent Form or at the written direction of ReCRED, User shall not alter or modify any Product during the Beta Test Period without ReCRED’s prior written approval.

(e) Access. During the Beta Test Period, User will grant ReCRED full and free access to the Product to allow ReCRED to perform under this Consent Form at such reasonable times as may be required by ReCRED.

**Obligations of ReCRED**

(a) Delivery. ReCRED agrees that ReCRED, or a third party designated by ReCRED, will deliver the Product to User within a reasonable time after execution of this Consent Form by both parties, or at a time otherwise agreed in writing by ReCRED.

(b) Technical Assistance. ReCRED will provide User such technical assistance as ReCRED may deem necessary to properly install and operate the Product at the beta test site. ReCRED will provide User with all test suites to be run by User.

(c) Modifications. During the Beta Test Period, ReCRED will consult with Users Product Manager regarding the performance of the Product and will evaluate the test data and error reports provided by User. ReCRED will undertake to make such modifications and improvements to the Product as deemed appropriate by ReCRED and provide the same to User at no cost; provided, however, ReCRED is not obligated to make any modifications or improvements.

**Confidentiality and Data Storage**

The personal data collected from users by ReCRED will be kept strictly confidential. The personal data will be kept in a server that is in CUT premises and data is only accessible in aggregate and anonymous form by the members of the project consortium. ReCRED will not distribute your information in any way.

The purpose of the data collection is to identify which user is trying to gain access to the Campus Wi-Fi and therefore grant him access if he has the appropriate identity attributes. For example, ReCRED may want to provide a special resource (e.g., access to the Research Network) to all the users that are professors. To be able to provide this functionality, ReCRED needs to know which users are professors. Similarly, ReCRED seeks to acquire all the data that is listed in Schedule B in order to provide fine-grained access control.

**Ownership and Software license**

**(a) Ownership**. User acknowledges that the Product is loaned free of charge to User for beta testing and that ReCRED retains ownership of all right, title and interest to the Product, the Product design and Documentation, and the intellectual property rights therein and thereto (including without limitation, all patent rights, design rights, copyrights and trade secret rights) subject to the Software license granted in this Section.

User agrees not to (i) copy, modify, or reverse engineer the Product hardware or design, make derivative works based upon the Product, or use the Product to develop any products, without ReCRED‘s prior written approval or (ii) sell, license, rent, or transfer the Product to any third party. ReCRED hereby reserves, and User hereby agrees, that ReCRED shall have a security interest in the Products delivered under this Consent Form. If requested by ReCRED, User agrees to execute and deliver financing statements or any other instruments, recordings or filings deemed necessary by ReCRED to protect and preserve its right, title and interest in and to the Products under applicable law.

**(b) Software License Grant**. ReCRED hereby grants to User and User accepts a personal, non-transferable, non-exclusive license to use the Software subject for the Beta Test Period solely for the purpose of testing and evaluating the Software subject to the following restrictions: (i) at the Users Site listed on Schedule B; (ii) used only with Product listed on Schedule A; and (iii) no copies of Software are made. (c) Modifications. User hereby assigns to ReCRED, Users entire right, title and interest (including, without limitation, all patent rights, design rights, copyrights and trade secrets) in any modifications or improvements to the Products which User may propose or make during the Beta Test Period or which User and ReCRED may jointly make during the Beta Test Period.

**Participation**

Your participation in this Pilot is voluntary. You may refuse to participate without penalty. If you decide to participate, you are free to stop at any time without penalty by just stopping and/or telling the investigator.

At any time, you can exercise your data subjects' rights and, by way of example, you can access the data, verify its content, origin, accuracy of the data, as well as request integration, updating, rectification, cancellation. The Data Controller responds to your requests without undue delay and it may charge only reasonable administrative-cost fee.

You are at least 18 years of age, or if you are under 18 years of age you are either an emancipated minor, or possess legal parental or guardian consent, and are fully able and competent to enter into the terms, conditions, obligations, affirmations, representations, and warranties set forth in this Consent Form.

This Consent Form may be terminated immediately by either party through email notice if either party breaches any of the material provisions of this Consent Form and fails to remedy such breach within thirty (30) days after mail notification by the other party of such breach. Notwithstanding the foregoing, this Consent Form may be terminated immediately by ReCRED in the event of Users breach of Section “Ownership and Software License”, or Section “Confidential Information”. Upon termination of this Consent Form, User shall immediately cease use of the Product and shall, at its expense, return to ReCRED all Proprietary Information and data (including all copies thereof) then in User's possession or custody or control, and certify in writing as to such action.

**Subject’s Consent Form**

**I have read the information provided above. My signature below indicates my voluntary consent to participate in this research study. Please return one copy of this consent form and keep one copy for your records.**

Signature of Research Subject \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of Investigator (optional) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SCHEDULE A**

The ReCRED products are:

* The Android Mobile Application developed by the consortium of the project for the needs of this Pilot program.

**SCHEDULE B**

**User Beta-Tester Information:**

First Name:

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Last Name:

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Father’s Name:

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Title (e.g., student or professor):

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Birthday:

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Age:

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Gender:

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Email:

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Phone number:

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Address:

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Postal Code:

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City:

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Country:

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Nationality:

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Department:

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Number of passed courses:

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Start and End date to university:

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Courses that you are enrolled:

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Courses that you teach (if any):

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Teaching years (if professor):

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Year of study and semester:

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If you hold a scholarship:

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**BETA TEST SITES:**

In the following sites users will be able to use the ReCRED mobile app by connecting to the ReCRED SSID.

* Eliades Building (here is the server that stores all the user’s personal data)
* Tofi’s Kyriakou Building
* Stoa Papadopoulou Building
* IT Building (Starbucks)

**DESIGNATED BETA COORDINATOR FOR ALL BETA TEST SITES**

* Savvas Zannettou (see Schedule C for details)

**SCHEDULE C**

The Data Controller is:

**Complete Name:** Michael Sirivianos

**Email:** [michael.sirivianos@gmail.com](mailto:michael.sirivianos@gmail.com)

**Mobile Phone:** +357 97 65 3425

The Data Processor is:

**Complete Name:** Savvas Zannettou

**Email:** [zsavvas90@gmail.com](mailto:zsavvas90@gmail.com)

**Mobile Phone:** +357 99974826