

Declaration of consent

Voluntary participation as a test subject in the field of biometrics research

From border control to smartphone payments, biometric systems have become an everyday and popular method of authenticating users. With their ease of use, biometric procedures that use physical characteristics such as face, fingerprint, retina or iris for unambiguous personal verification have gained a firm place among IT security systems. Progressive digitalization and automation of the procedures will continue to increase their importance - but at the same time, the requirements for reliability and security are also rising.

The central question here is how reliable and impregnable biometric systems really are.

But it presents us with great challenges:

The recognition accuracy (performance), overcoming security and user-friendliness (usability) must always be determined anew for each biometric system, which is only possible with great effort.

Biometric performance and usability can only be assessed with extensive, practical functional tests with as many different test persons as possible. The overcoming security must be tested with as many attack variants as possible by experienced evaluators (vulnerability analysis) in order to gain reliable insights.

Due to the high technical complexity of biometric systems, such examination results can hardly be transferred or simulated from one system to another and must always be re-evaluated with every significant change in software and hardware.

In order to be able to accomplish this task, we are primarily dependent on voluntary test persons.

We are therefore very pleased to be able to enlist your support.

The Federal Office for Information Security (BSI) operates the Biometrics Evaluation Centre (BEZ) on the H-BRS campus in St. Augustin together with the Bonn-Rhein-Sieg University of Applied Sciences (H-BRS). Here, the BSI is responsible for the secure collection, storage and processing of the collected data. The BSI is therefore the controller within the meaning of the GDPR (General Data Protection Regulation ["DSGVO" in German]) and is the only authority with access to the personal data collected from you at the BEZ. Your biometric data will not be passed on to third parties, e.g. to cooperating research institutes, companies or authorities, or even to other divisions within the BSI. If it is necessary to pass on data to third parties for special investigations (e.g. for EU research projects), the data will be collected for this purpose in separate recording sessions, which must be explicitly permitted by you in advance in an additional declaration of consent.

In order for you to have all possible information for making a decision about your participation as a test subject, this consent form is very detailed. However, if you have any questions, please do not hesitate to contact us. Here is a brief overview of the information you will be asked to provide on the following pages:

- Your personal details (p. 2),
- Declaration of consent with which you agree to participate as a test subject (p. 2),
- Optional: Information on diseases that could have an impact on the biometric data (p. 3),
- Declaration of consent with which you agree to the processing of your personal data (p. 3),
- Optional: Your contact details and consent for us to contact you about the research project (p. 3),
- Optional: your consent to the publication of your biometric data in scientific publications (p. 4),
- Data protection information on data processing (p. 5 - 7).

1.1 Gender information - mandatory information for your participation

For the evaluation of biometric systems, knowledge of gender is necessary in order, among other things, to examine the biometric systems with regard to a possible gender bias and subsequently to minimize it.

Gender: Female Male Divers

1.2 Information on diseases - voluntary information independent of your participation

Diseases can lead to users no longer being recognized by the system due to the change of a biometric feature. We would like to eliminate these system errors. We are also dependent on you for this. We therefore ask you to voluntarily state whether you suffer or have suffered from a disease that could have an impact on biometric features.

Diseases (*voluntary!*): _____

2. Data protection consents

I agree that my personal data provided above as well as such personal data that the Federal Office for Information Security (BSI) collects as part of my participation as a test person in the field of biometric research (i.e. biometric data such as the facial image, fingerprint, scans of the skin, veins, iris, ears, voice, gait, ECG, hand, behavior (typing behavior) or writing, video recordings for usability tests, 3D head models, age group (e.g. 18 - 29; 30 - 39 years) as well as, if applicable, information about my state of health for the purpose of further development of biometric procedures. e.g. 18 - 29; 30 - 39 years) and, if applicable, information about my state of health) for the purpose of further development of biometric procedures are used, electronically stored and processed by the BSI as the responsible body. The data will not be passed on to third parties. I further confirm that I have received a copy of this declaration of consent.

YES NO

2.1 Contacting - Voluntary information regardless of your participation:

I also agree that the BSI may **contact me by post and email** regarding my participation in the research project and provide the following details:

YES NO

Street and Number: _____

Zip Code: _____

Town: _____

E-Mail-Address: _____

2.2 Publication - Voluntary information regardless of your participation:

I also agree that my personal data collected in the course of my participation as a test person in the field of biometrics research for the purpose of further developing biometric procedures, such as the facial image or fingerprint (excluding first name, surname, date of birth and postal and electronic contact data), may be **published in scientific publications.**

Note: When publishing personal data, e.g. on the Internet, comprehensive data protection cannot be guaranteed. I have therefore been informed about the following risks:

- Data and photos that are posted publicly on the internet can be accessed worldwide, i.e. also in countries without sufficient data protection.
- The set data can be read unnoticed and stored, changed, falsified, combined and manipulated in many ways.
- Unwanted (possibly illegal) commercial use by third parties cannot be ruled out.
- If copies are stored on other computers, the data can still be used by third parties even if they have already been changed or deleted in the original Internet offering.

YES

NO

The responsible authority for the processing of your personal data mentioned above is the Federal Office for Information Security (BSI), mail box 200363, 53133 Bonn, Germany.

All of the aforementioned declarations of consent to data protection can be revoked at any time. To do so, please send an e-mail to datenschutzbeauftragter@bsi.bund.de. The revocation of consent does not affect the lawfulness of the processing carried out on the basis of the consent until revocation.

Further information on how the BSI handles personal data in the context of your participation as a test person for the biometrics research can be found in the attached notes on data protection.

Place, Date

Signature



Data protection information for the recordings in the Biometrics Evaluation Centre

For the Federal Office for Information Security (BSI), responsible handling of personal data is a high priority. We want you to know when we collect which data and how we use it. We have taken technical and organizational measures to ensure that the regulations on data protection are observed. In the course of the further development and implementation of new technologies, changes to this data protection declaration may become necessary. A current version can be requested from the BSI at any time.

1. Responsible controller

The responsible party for the processing of personal data within the meaning of the Data Protection Regulation and other national data protection legal provisions is the

Federal Office for
Security in Information Technology (BSI)
Godesberger Allee 185 -189
53175 Bonn
bsi@bsi.bund.de
Phone: +49 (0)228 99 9582-0
Fax: +49 (0)228 9910 9582-0
www.bsi.bund.de

2. Data Protection Officer of BSI

Data Protection Officer of BSI
Federal Office for Information Security
Godesberger Allee 185 -189
53175 Bonn
Phone: 0228 99 9582-5527
E-mail: datenschutzbeauftragter@bsi.bund.de

3. General information on data processing

a) Purposes of the processing and legal basis of the processing

We process personal data in accordance with the provisions of the DSGVO, the Federal Data Protection Act ("BDSG") and other applicable data protection regulations. The personal data collected in the course of your participation as a test person in the field of biometrics research will be used, electronically stored and processed by the BSI exclusively for the purpose of further developing biometric procedures.

If you have expressly consented, this data (without name) may also be processed for publication in scientific publications.

All processing activities of personal data are carried out on the basis of consent gation declarations of the respective data subjects within the meaning of Art. 6 and Art. 9 para. 1 lit. a DSGVO.

b) Categories of personal data processed

In the BEZ primarily collected are your biometric characteristics, i.e. biometric data such as facial image, fingerprint, scans of skin, veins, iris, ears, voice, gait, ECG, hand, behaviour (typing behaviour) or writing, video recordings for usability tests, 3D head models, gender and, if applicable, information about your health condition.

On the basis of your date of birth, an indication of the age group (e.g.: 30 - 39 years, 18 - 29 years) is also added.

In addition, we store your first and last name, your date of birth and, if applicable, your maiden name in order to be able to assign your data to you, e.g. in the event that you wish to exercise your data subject rights (see below) and to resolve conflicts in the data records (e.g. in the event that we have stored two or more test persons with the same name).

In addition, if you have consented to this, we will process your postal and/or electronic contact details so that we can contact you in this way in connection with your participation.

If you have separately and explicitly consented to the publication of your collected biometric data, they may be used in the context of scientific publications.

Your name, date of birth and, if applicable, your (postal and electronic) contact details will be securely stored with the consent forms separately from the biometric data exclusively with the BSI data protection officers.

c) Recipients or categories of recipients of personal data

Personal data is only transmitted to third parties (authorities, companies, private individuals) if the BSI is obliged to do so by law or by court decision, or if this is necessary for legal or criminal prosecution in the event of attacks on the Internet infrastructure.

Any further disclosure to third parties will not take place unless you have expressly agreed to it (e.g. explicit participation in a specific EU research project).

d) Duration of storage or criteria for determining the duration

We will store your data collected in connection with your voluntary participation as a test person in the field

of biometrics research until you withdraw your consent, or - in the event that you do not do so - until the end of the research project, but for a maximum of five (5) years after the respective recording date.

Your other enquiries to the BSI will be kept in paper or electronic form in accordance with the time limits applicable to the retention of documents in the Records Directive. Your data will only be used for direct correspondence with you.

4. Your rights

If your personal data is processed, you are a "data subject" within the meaning of the GDPR. You are entitled to the following rights vis-à-vis towards us as the data controller, subject to any statutory restrictions and exceptions to the contrary, in particular in accordance with §§ 34 - 36 BDSG or §§ 6b - f BSIg:

➤ **Right of access**

You can request information about whether we are processing your personal data. If this is the case, you have the right of access about this personal data as well as other information related to the processing (Art. 15 DSGVO).

➤ **Right of rectification**

In the event that personal data about you is not (or is no longer) accurate or incomplete, you may request that this data be corrected and, if necessary, completed. (Art. 16 DSGVO).

➤ **Right to erasure or restriction of processing**

If the legal requirements are met, you can request the deletion of your personal data (Art. 17 DSGVO) or the restriction of the processing of this data (Art. 18 DSGVO).

➤ **Right to object**

For reasons arising from your particular situation, you may also object to the processing of personal data concerning you by us at any time (Art. 21 DSGVO). This right exists if your personal data is processed on the basis of Art. 6 (1) e, f) DSGVO, for direct advertising, for scientific or historical research or for statistical purposes. If the legal requirements are met, we will subsequently no longer process your personal data.

➤ **Right to data portability**

You are entitled, under the conditions of Art. 20 DSGVO, to demand that we provide you with the personal data concerning you that you have provided to us in a structured, common and machine-readable format. However, according to Art. 20 (3) sentence 2 DSGVO, this right is not available if the data processing serves the performance of public tasks.

➤ **Right to revoke the declaration of consent under data protection law**

If you have consented to the processing of your data (Art. 6 para. 1 lit. a)), you have the right to revoke your consent at any time. The revocation only takes effect for the future; this means that the revocation does not affect the lawfulness of the processing carried out on the basis of the consent until the revocation.

Your requests to exercise your rights should, where possible, be made in writing to the address above or directly to our Data Protection Officer .

➤ **Right to lodge a complaint with a supervisory authority**

Without prejudice to any other administrative legal or judicial remedy, a data subject (you) has the right to lodge a complaint with a supervisory authority - in particular in the member state of your residence - if you believe that the processing of your personal data by us violates the GDPR/DSGVO. The supervisory authority of the Federal Office for Information Security is:

The Federal Commissioner for Data Protection and Freedom of Information (BfDI):
Graurheindorfer Str. 153
53117 Bonn
Phone: +49 (0)228 997799-0
Fax: +49 (0)228 997799-5550
E-mail: poststelle@bfdi.bund.de

5. Existence of automated decision making including profiling

Automated decision-making or profiling does not take place.

6. Necessity of the data collection

Participation as a test person in the area of biometrics research and all information provided in the context of this is basically voluntary. However, we would like to point out that if you do not provide complete information about yourself (full name and date of birth), you will not be able to participate as a test person in the BSI's biometrics research.