Bundesamt
für Sicherheit in der
Informationstechnik

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) and is the only authority with access to the personal data collected from you at the BEZ. Your biometric data will not be shared with third parties, e.g. to cooperating research institutes, companies or authorities, or even to other divisions within the BSI. If it is necessary to share 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 declaration of consent 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:

1. Your personal details (p. 2),
2. Optional: information on diseases that could have an impact on the biometric data (p. 2),
3. Optional: your contact details and your consent for us to contact you about the research project (p. 3),
4. Optional: your consent to the publication of your biometric data in scientific publications (p. 3),

Data protection information on processing (pp. 4 – 5).

The procedure: At different stations and, if necessary, in different runs on different days, biometric data will be taken or scanned from you, such as your fingerprints and/or facial image. In some cases, you will also be given an ID card on which your biometric image and fingerprints will be stored beforehand. These are then compared with your live image by laying them on. In addition, cameras are set up at the individual stations to record you as you pass through. These recordings are also used to improve biometric systems. The tests themselves may differ each time. For this reason, we are always available to clarify any uncertainties or questions.

1. Information about yourself

Please provide the following information to verify your identity. We reserve the right to ask you to show your ID. The accuracy of the following information will enable you to exercise your rights as a data subject.
(*Please fill in in capital letters.*):

First name *(as stated on identity card)*:

Name *(as stated on identity card)*:

If applicable, birth name *(as stated on identity card)*:

Date of birth: _____._____._____ (DD/MM/YYYY)

2. 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* ☐

3. 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 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*!): _____

_____

4. Contact information - 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 house number: _____

Postal code: _____

Town: _____

E-Mail-Address: _____

5. 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 data set 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 ☐

6. Declaration of consent
I hereby confirm my voluntary participation as a test person in the field of biometrics research of the BSI (Federal Office for Information Security, Godesberger Allee 87, 53175 Bonn), which is in particular associated with the provision of my biometric data, facial image and fingerprint. I agree that my personal data provided above as well as such personal data that the BSI collects in the course of my participation as a test person in the field of biometrics research (i.e. biometric data such as the facial image, fingerprint, scans of the skin, veins, iris, ears, voice, gait, ECG, hand, behaviour (typing behaviour) or writing, video recordings for usability tests, 3D head models, age group (e.g. 18 - 29; 30 - 39 years), gender as well as, 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 data controller. The data will not be shared with third parties.

I am aware that I can withdraw my consent at any time and without any (legal) disadvantages by post or e-mail to **datenschutzbeauftragte@bsi.bund.de**. The withdrawal of consent does not affect the lawfulness of the processing carried out on the basis of the consent before its withdrawal.

_____ _____

Place, Date *Signature*

Bundesamt
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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 compliance withthe regulations on data protection. 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. Data controller

The data controller 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 87
53175 Bonn
bsi@bsi.bund.de
Phone: +49 (0)228 99 9582-0
www.bsi.bund.de

2. Data Protection Officer of BSI

Data Protection Officer of BSI
Federal Office for Information Security
Godesberger Allee 87
53175 Bonn
Phone: 0228 99 9582-5527
E-mail: datenschutzbeauftragte@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 General Data Protection Regulation (“GDPR”), 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 evaluating and further developing biometric procedures.

If you have given your explicit consent, this data (without the name) may also be processed for publication in scientific publications.
All processing activities of personal data are carried out on the basis of declarations of consent of the respective data subjects within the meaning of Art. 6 para. 1 lit. a and Art. 9 para. 2 lit. a GDPR.

b) Categories of personal data

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 birth 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 declaration of consent separately from the biometric data exclusively by the BEZ 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 required to do so by law or by court ruling, or if this is necessary to allow legal action or criminal prosecution in the event of attacks on the internet infrastructure.
Any further disclosure to third parties will not take place unless we have your explicit consent (e.g. explicit participation in a specific EU research project).

d) Storage period 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 biometrics research at the BSI, but for a maximum of five (5) years after the respective recording date, or correspondingly extended by your explicit consent by means of a renewed/more current declaration of consent.
Your other enquiries to the BSI will be kept in paper or electronic form in accordance with the storage limits applicable to the retention of documents in the Records Directive. Your data will be used exclusively for immediate 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 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 confirmation about whether we are processing personal data concerning you. If this is the case, you have the right of access to this personal data as well as other information related to the processing (Art. 15 GDPR).

- **Right of rectification**

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

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

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

- **Right to object**

On grounds relating to your particular situation, you may also object to the processing of personal data concerning you by us at any time (Art. 21 GDPR). This right exists if your personal data is processed on the basis of Art. 6 (1) e), f) GDPR, 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 prerequisites of Art. 20 GDPR, to demand that we provide you with the personal data concerning you that you have provided to us in a structured, commonly used and machine-readable format. However, according to Art. 20 (3) sentence 2 GDPR, this right is not available if the data processing is necessary for the performance of a task carried out in public interest.

- **Right to withdraw consent under data protection law**

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

In principle participation as a test person in the area of biometrics research and all information provided in the context of this is 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.