

## Application to Participate in the Proprietary Fingerprint Template Evaluation II (PFT II)

### 1. Who May Participate

- 1.1 Developers of fingerprint matcher software system who have not participate in the NIST Fingerprint PFT II evaluation in the last 90 days (from the completion date of last sdk evaluated).
- 1.2 The fingerprint matching software need not be “operational,” nor a production system, nor commercially available. However, the software must, at a minimum, be a stable implementation capable of being “wrapped” (formatted) in the API specification that *National Institute of Standards and Technology (NIST)* has published<sup>1</sup> for this evaluation.
- 1.3 Anonymous participation will not be permitted. This means that signatories to this Agreement acknowledge that they understand that the results (see Section 6) of the evaluation of the software will be published with attribution to their organization.

### 2. How to Participate

- 2.1 In order to request participation in PFT II, potential participants must fill out this agreement, *Application to Participate in PFT II Evaluation*, identifying the Responsible Party and the Point of Contact, print and sign the form, and send to the location designated below.
  - 2.1.0 The Responsible Party is an individual with the authority to commit the organization to the terms in this document.
  - 2.1.1 The Point of Contact is an individual with detailed knowledge of the system applying for participation.
- 2.2 Upon receipt of the signed form by NIST, the organization will be classified as a “Participant” for PFT II. Registered Participants can download the small Validation Dataset available on the website<sup>2</sup>.

Prior to submission of their *Software Development Kit (SDK)* the Participant needs to verify that

  - a) their software executes on the validation data, and
  - b) produces results in the desired format.

The output of the validation data must be submitted to NIST along with the SDK. (NIST will supply the correct match to each search in the Validation Data.

- 2.3 After the Participant has executed his software on the Validation Data, the Participants should send the software (SDK with encryption as instructed in 2.5) to NIST. Non encrypted software will not be accepted. Software can be sent by email to [pft@nist.gov](mailto:pft@nist.gov), or on CD to

Proprietary Fingerprint Template Evaluation Liaison  
National Institute of Standards and Technology  
Information Access Division (894)  
100 Bureau Drive, Stop 8940  
Gaithersburg, MD 20899-8940

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<sup>1</sup> The PFT II Evaluation Plan, API are available at [http://www.nist.gov/itl/iad/ig/pftii\\_evaluation\\_plan.pdf](http://www.nist.gov/itl/iad/ig/pftii_evaluation_plan.pdf)

<sup>2</sup> The PFTII validation website is at [www.nist.gov/itl/iad/ig/pftii\\_validation.cfm](http://www.nist.gov/itl/iad/ig/pftii_validation.cfm)

- 2.4 Participants shall submit one SDK only, as specified in the of evaluation plan.
- 2.5 The submitted SDK must be encrypted before sending to NIST. Detail instructions of how to generate keys and to encrypt with the NIST PFT public key are on the “Encrypting software for Transmission to NIST” website<sup>3</sup>.
- 2.6 Software submitted must be compliant with the API specified by section 5 of [http://www.nist.gov/itl/iad/ig/pftii\\_evaluation\\_plan.pdf](http://www.nist.gov/itl/iad/ig/pftii_evaluation_plan.pdf). A box for the participant’s public key fingerprint is included on the “Request to Participate” form at the end of this document.
- 2.7 In the event software is found to be non-functional or non-compliant with the API, Participants will be notified with a detailed description of the problem(s) and given an opportunity to resubmit.

### 3. Points of Contact

- 3.1 The PFT II Evaluation Liaison is the government point of contact for PFT II.
- 3.2 All correspondence should be directed to [pft@nist.gov](mailto:pft@nist.gov), which will be received by the PFT Evaluation Liaison and other PFT personnel.
- 3.3 These correspondences may be posted to the *FAQ (Frequently Asked Questions)* document<sup>4</sup> available on the PFT website at the discretion of the PFT Evaluation Liaison. The identity of those persons or organizations whose correspondences lead to FAQ postings will not be made public in the FAQ.

### 4 Access to Validation Data

- 4.1 Validation Data can be downloaded from PFT website to Participants to assist in preparing for PFT II.
- 4.2 The fingerprints in the Validation Data are representative of the PFT II Evaluation Data **only** in format. Image quality, collection device and other characteristics will vary between the Validation and Evaluation Datasets.

### 5 Access to Evaluation Data

- 5.1 The PFT II Evaluation Datasets are protected under the Privacy Act (5 U.S.C. 552a), and will be treated as ***Controlled Unclassified Information/Sensitive but Unclassified*** and/or ***Law Enforcement Sensitive***.
- 5.2 PFT II Participants will have no access to Evaluation Data, either before, during or after the evaluation.

### 6 Reporting of PFT Results

- 6.1 After the completion of the PFT II evaluation, the government will publish all results obtained along with the organization’s name on the PFT website. The PFT website will contain, at a minimum, descriptive information concerning PFT, descriptions of each experiment, and aggregate evaluation results. NIST will use DET performance metrics as the primary indicators of one-to-one identification search accuracy. NIST will also report enrollment and matching timing information and average template sizes. NIST may compute and report other additional statistics.
- 6.2 Participants will be notified of their results.

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<sup>3</sup> <http://www.nist.gov/itl/iad/ig/encrypt.cfm>

<sup>4</sup>The PFTII FAQ is available at [http://www.nist.gov/itl/iad/ig/pftii\\_faq.cfm](http://www.nist.gov/itl/iad/ig/pftii_faq.cfm)

- 6.3 After the release of the PFT II results, Participants may decide to use the results for their own purposes. Such results shall be accompanied by the following phrase: “**Results shown from the Proprietary Fingerprint Template Evaluation II (PFT II) do not constitute endorsement of any particular system by the U. S. Government.**” Such results shall also be accompanied by the Internet address (URL) of the PFT website.
- 6.4 Any data obtained during PFT II (except the SDK itself), as well as any documentation required by the Government from the participants, becomes the property of the Government. Participants will not possess a proprietary interest in the data and/or submitted documentation. The data and documentation will be treated as sensitive information and only be used for the purposes of this evaluation.
- 6.5 With the signing of this form, Participants attest that they will not file any PFT II-related claim against PFT II sponsors, supporters, staff, contractors, or agency of the U.S. Government, or otherwise seek compensation for any equipment, materials, supplies, information, travel, labor and/or other participant provided services.
- 6.6 The U.S. Government is not bound or obligated to follow any recommendations that may be submitted by the Participant. The U.S. Government, or any individual agency, is not bound, nor is it obligated, in any way to give any special consideration to PFT II Participants on future contracts.
- 6.7 With the signing of this form, Participants realize that any evaluation details and/or modifications that are provided in the PFT website supersede the information on this form.
- 6.8 With the signing of this form, Participants realize that they can withdraw from the PFT II at any time before their software is received by NIST, without their participation and withdrawal being documented in the PFT website.
- 6.9 NIST will use the Participants SDK software only for the agreed-upon PFT II evaluation, and in the event errors are subsequently found, to rerun prior tests and resolve those errors.
- 6.10 NIST agrees not to use the Participants software for purposes other than indicated above, without express permission by the Participant.
- 6.11 Please mail the completed and signed form to:

Via Mail:

Proprietary Fingerprint Template Evaluation (PFT II) Liaison  
National Institute of Standards and Technology  
Information Access Division (894)  
100 Bureau Drive, Stop 8940  
Gaithersburg, MD 20899-8940

**Request to Participate**

<b>Company / Organization Name</b>
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**Responsible Party**

<b>Title</b>	<b>First Name</b>	<b>MI</b>	<b>Last Name</b>	<b>Suffix</b>
<b>Street/Mailing Address</b>				
<b>City</b>			<b>State</b>	<b>Zip Code</b>
<b>Phone Number</b>	<b>Fax Number</b>		<b>Email Address</b>	

**Point of Contact: Check if same as Responsible Party above**

<b>Title</b>	<b>First Name</b>	<b>MI</b>	<b>Last Name</b>	<b>Suffix</b>
<b>Street/Mailing Address</b>				
<b>City</b>			<b>State</b>	<b>Zip Code</b>
<b>Phone Number</b>	<b>Fax Number</b>		<b>Email Address</b>	

**With my signature**, I hereby request consideration as a Participant in the Proprietary Fingerprint Template Evaluation II (PFT II), and I am authorizing my company or organization to participate in PFT II Evaluation according to the rules and limitations listed in this document.

**With my signature**, I also state that I have the authority to accept the terms stated in this document

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SIGNATURE OF RESPONSIBLE PARTY

DATE

**Participants should complete the box below per the instructions for transmission of encrypted content to NIST as defined in PFTII website and available at <http://www.nist.gov/itl/iad/ig/encrypt.cfm>. If preferred, participants can fax their public key to PFTII Liaison at 301-975-5287.**

Participant's public-key fingerprint (enter here)	
NIST's public-key fingerprint	E229 C361 DDAA 740E A806 F157 D4F4 5808 2A7C B037