



# **PDF Signature Verification Tool**

## **(Beta Version)**

**User Guide**

**Version. 2018-12**

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## Disclaimer

Before using the Macao Post and Telecommunications Bureau (CTT) "eSignTrust PDF Signature Verification Tool", please read the terms and conditions of these Terms of Use (hereinafter "Agreement"). By installing and using eSignTrust PDF Signature Verification Tool, you agree to be bound by the terms and conditions of this Agreement.

### 1. SUBJECT

- 1.1 eSignTrust PDF Signature Verification Tool ("Tool") is developed by CTT. The sole purpose of this "Tool" is to assist the user in checking whether the electronic signature in the PDF file is signed by a valid eSignTrust certificate.
- 1.2 CTT provides this "Tool" to users free of charge in accordance with the purpose of item 1.1.

### 2. OWNERSHIP

This "Tool" is developed by CTT with the use of third-party open source software. Except for third-party software, all contents contained in this "Tool" are owned by CTT and are protected by the relevant laws of the Macao SAR and international intellectual property rights. Without the written consent and authorization from CTT, it is prohibited for any modification of the contents of this "Tool", or copy or republication of this "Tool" in any form for commercial purpose.

### 3. DISCLAIMER

- 3.1 User is solely responsible for any risks of downloading or otherwise obtaining the content and materials using this "Tool".
- 3.2 This "Tool" is a Beta version and user is solely responsible for any risks associated with the use of this "Tool". This "Tool" is provided "as is" and without warranty of any kind. To the fullest extent permitted by applicable law, CTT hereby disclaims all warranties and conditions of any kind, express or implied, including but not limited to warranties of merchantability, fitness for a particular purpose and non-infringement.
- 3.3 This "Tool" is provided to User in accordance with Section 1.1 of the Subject. User must independently determine the validity and applicability of the electronic document with the electronic signature. CTT is not responsible for the act of signing by the signatory on electronic document and the contents of the document.
- 3.4 CTT expressly refuses to assume any type of warranty obligation, whether express or implied, including but not limited to any loss, damages, fees or other expenses

incurred or related to the use of this "Tool". CTT will not take any responsibility and make any compensation. CTT may add, delete, modify, suspend or even terminate the contents of this "Tool" and its use at any time without prior notice.

#### **4. VALIDITY**

If any provision of this Agreement is declared invalid or unenforceable, in whole or in part, that provision will not affect the remainder of this Agreement, which is deemed amended to the extent necessary to make this Agreement valid, enforceable, and, to the maximum extent possible, consistent with the applicable law and with the original intentions of the parties; the remaining provisions will remain in full force and effect.

#### **5. GOVERNING LAW AND JURISDICTION**

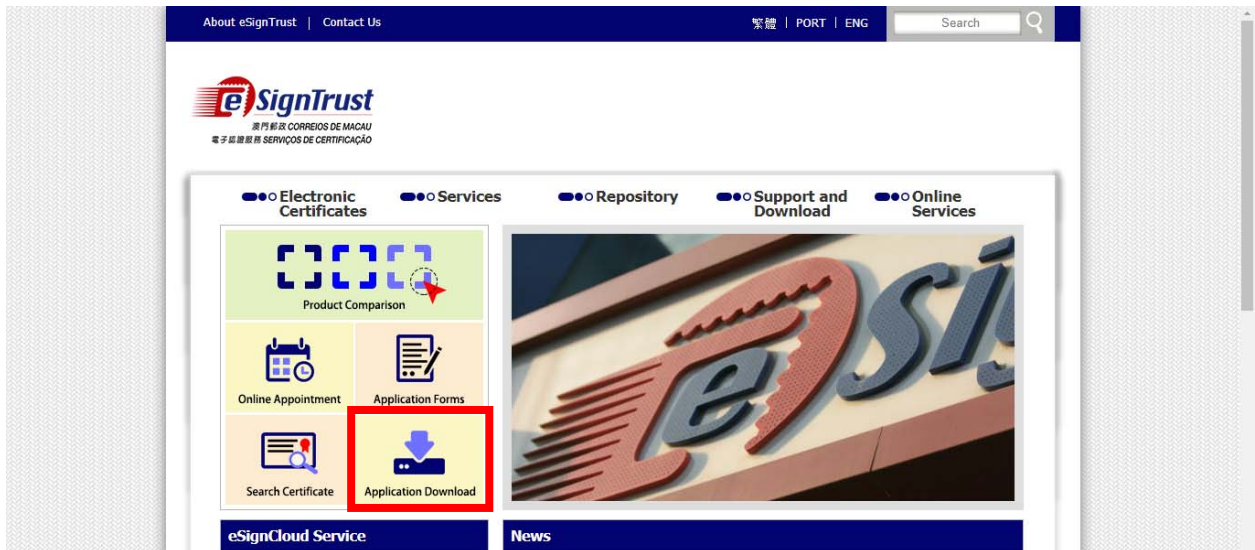
- 5.1 The law applicable to this Agreement is the one of Macao Special Administrative Region (Macao SAR).
- 5.2 For any disagreement regarding the interpretation, validity or execution of this Agreement shall be subject to the jurisdiction of the court of the Macao SAR and expressly waive the jurisdiction of other laws.

#### **6. LANGUAGE**

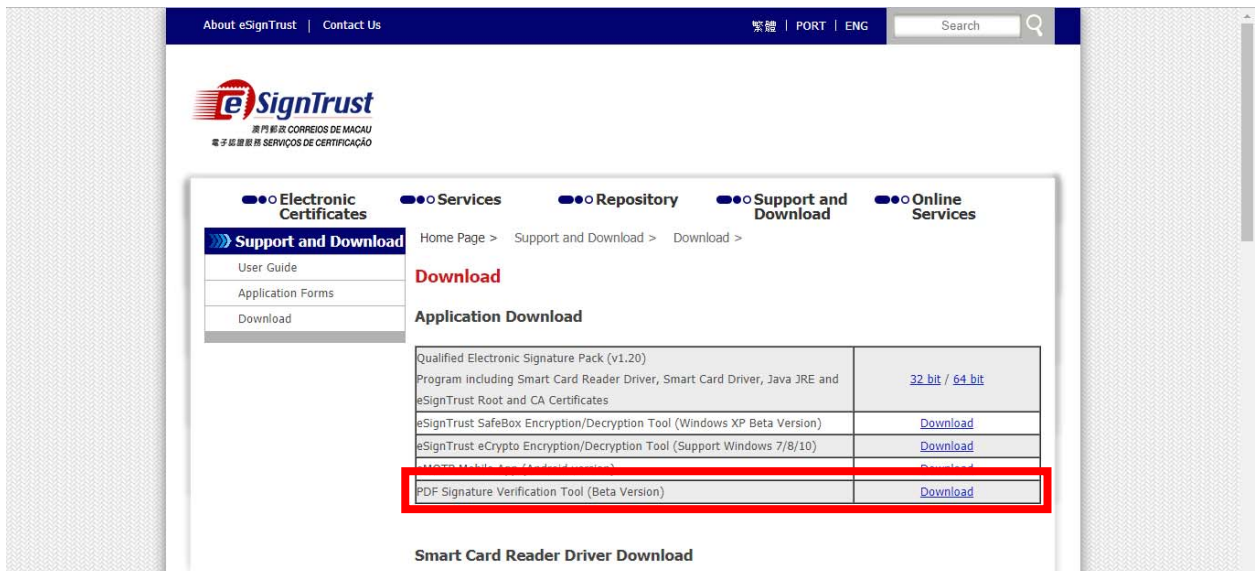
In case of any inconsistency or discrepancy among the versions of this Agreement in Chinese or English languages, it prevails the Chinese language.

## Open the PDF Signature Verification Tool

1. Go to the eSignTrust Website [www.esigntrust.com](http://www.esigntrust.com), and choose from the home page “Application Download”.



2. Under the title “Application Download”, choose to download the “PDF Signature Verification Tool”.



### 3. Agree the Disclaimer, then press “Execute”.

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#### 4. VALIDITY

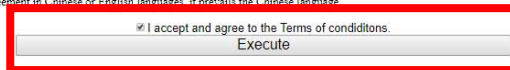
If any provision of this Agreement is declared invalid or unenforceable, in whole or in part, that provision will not affect the remainder of this Agreement, which is deemed amended to the extent necessary to make this Agreement valid, enforceable, and, to the maximum extent possible, consistent with the applicable law and with the original intentions of the parties; the remaining provisions will remain in full force and effect.

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4. The system will require to download a file named “esign-signature-verification.jnlp”, please save and open the file to run the program.

*\*Remark: This verification tool is a Java Web Start program, therefore it is required to have Java pre-installed on your system. If you have not yet installed the Java program, please proceed to [www.java.com](http://www.java.com) to download and install the Java JRE (32bit version) program.*

5. During the execution of the Java program, if you are prompted for confirmation of running the mentioned Java program, select “Run” to proceed.

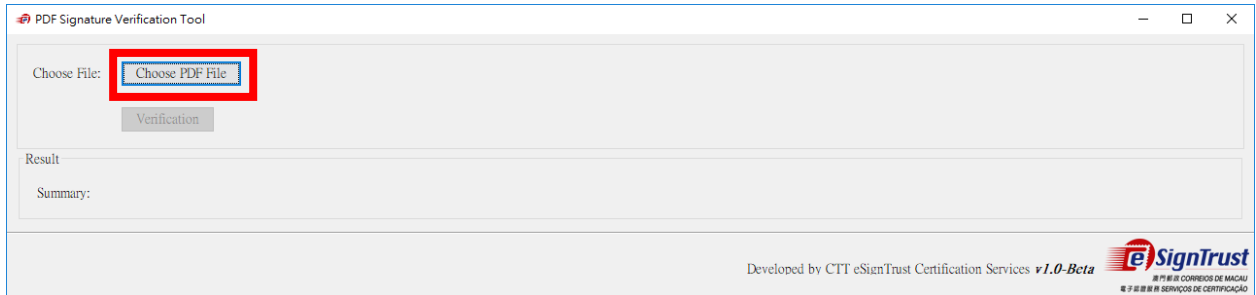


6. The PDF Signature Verification Tool is opened successfully.

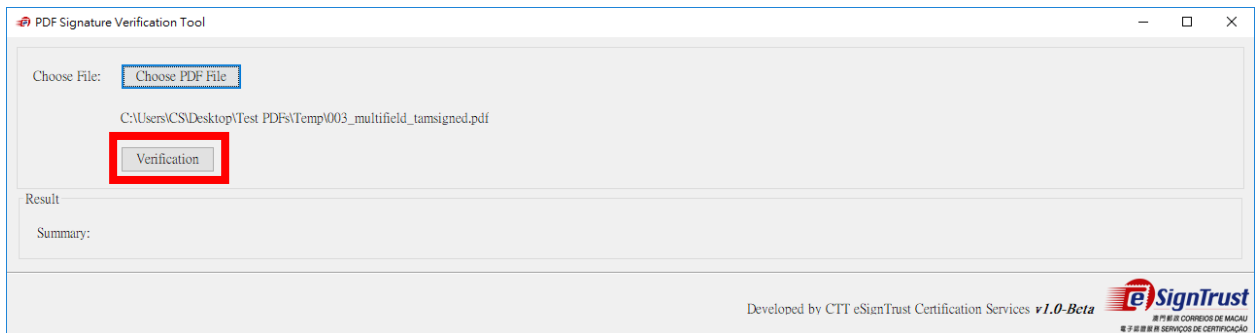



## Verify Electronic Signature(s) on the PDF

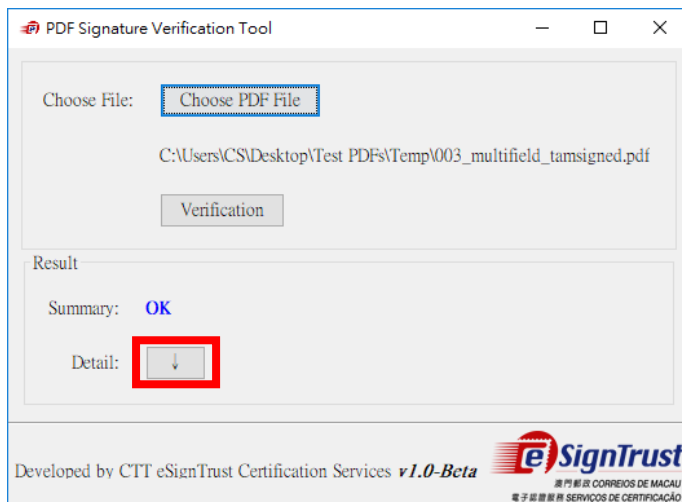
1. Select “Choose PDF File” to open the PDF file that has the Electronic Signature(s) to be verified.



2. Then select “Verification” to verify.

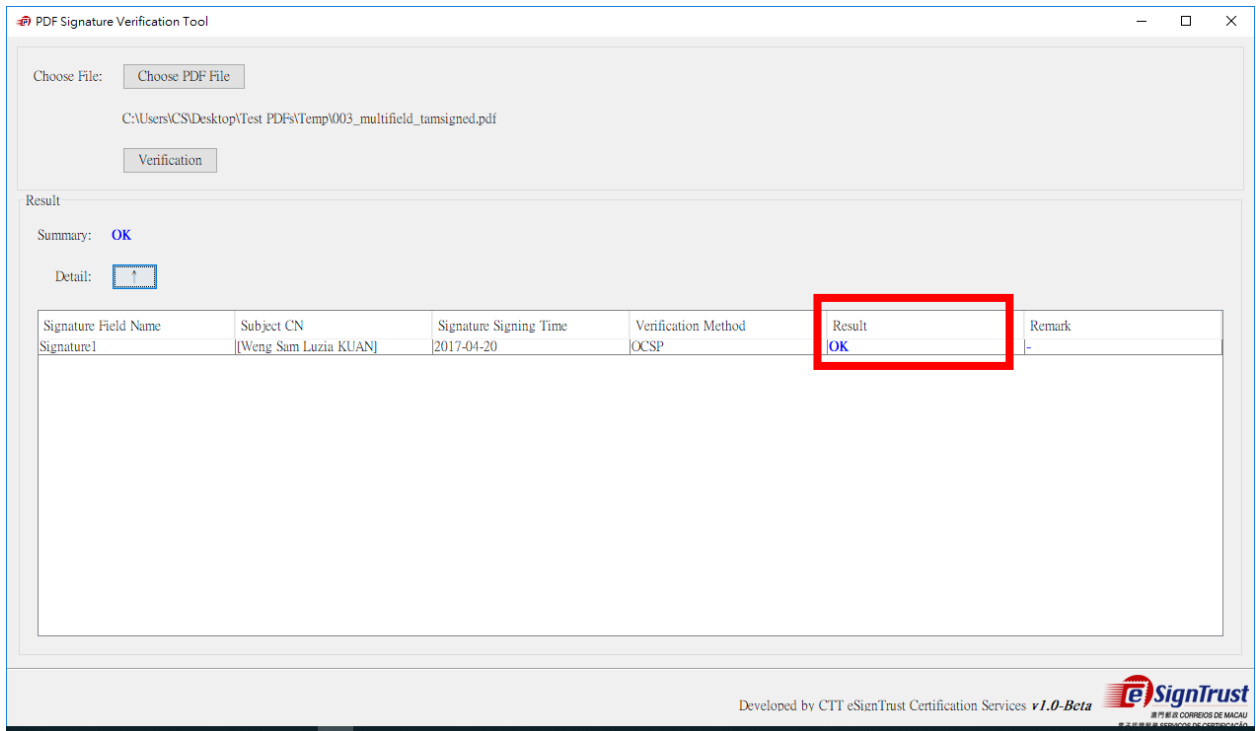


3. The verification results will be shown at the “Result” -> “Summary” panel. User can select the  button to view the detailed verification results (such as Name of the Signer, Signature Date, Verification Method, Signature Status etc.)





### Verification Results – Example1 (Signature Valid)



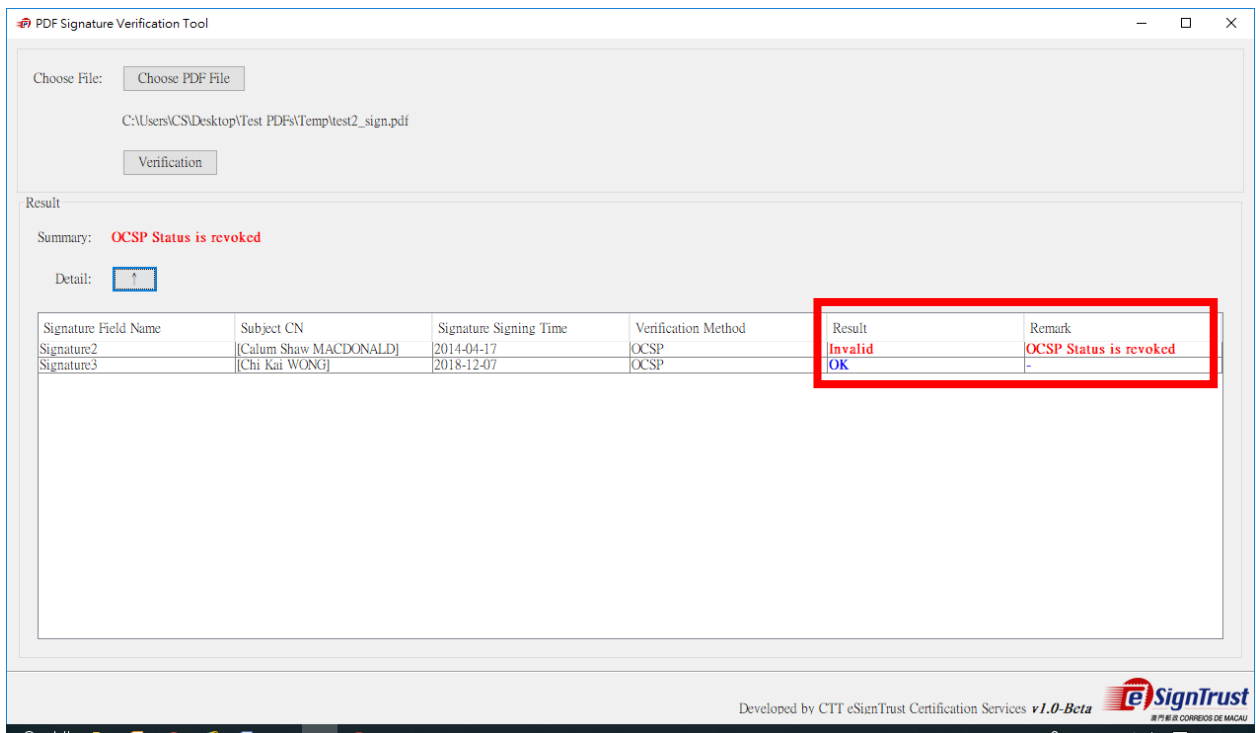
The screenshot shows the PDF Signature Verification Tool interface. The 'Choose File' section shows a file named '003\_multifield\_tamsigned.pdf' selected. The 'Verification' button has been clicked. The 'Result' section shows a 'Summary: OK' and a 'Detail' button. Below this is a table with the following data:

Signature Field Name	Subject CN	Signature Signing Time	Verification Method	Result	Remark
Signature1	[Weng Sam Luzia KUAN]	2017-04-20	OCSF	OK	-

The 'Result' column for the first signature is highlighted with a red box, showing 'OK'.

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### Verification Results – Example 2 (One of the 2 signatures is valid, another is invalid as the Electronic Certificate used to create the signature was already revoked)



The screenshot shows the PDF Signature Verification Tool interface. The 'Choose File' section shows a file named 'test2\_sign.pdf' selected. The 'Verification' button has been clicked. The 'Result' section shows a 'Summary: OCSF Status is revoked' and a 'Detail' button. Below this is a table with the following data:

Signature Field Name	Subject CN	Signature Signing Time	Verification Method	Result	Remark
Signature2	[Calum Shaw MACDONALD]	2014-04-17	OCSF	Invalid	OCSF Status is revoked
Signature3	[Chi Kai WONG]	2018-12-07	OCSF	OK	-

The 'Result' and 'Remark' columns for both signatures are highlighted with a red box, showing 'Invalid' and 'OCSF Status is revoked' for the first signature, and 'OK' for the second.

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## Enquiry and Support

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Support Email	:	<a href="mailto:helpdesk@esigntrust.com">helpdesk@esigntrust.com</a>
Office Hours	:	Monday to Thursday 09:00 – 17:45 Friday 09:00 – 17:30