

# USE OF THE T-PRO USB CRYPTOGRAPHIC KEY

1

**T-Pro USB cryptographic key with a security button** is one of devices necessary at logging in and authorisation by an electronic signature in the BiznesPl@net system. The device operates in the Windows system, therefore it requires an installation of a driver and a service that manages reading the electronic signature key.

**T-Pro USB** operates in Windows 7, 8, 8.1 and 10 and is compatible with the following Internet browsers:

- Internet Explorer 9 or higher,
- Mozilla Firefox from version 35,
- Google Chrome,
- Microsoft Edge.



2

In order to use the **T-Pro USB** in the Windows system, you should:

– download and install „**Comarch Crypto Provider**” software (during the installation, local administrator privileges are required [https://www.bnpparibas.pl/\\_fileservers/time20170512124801/item/1509830](https://www.bnpparibas.pl/_fileservers/time20170512124801/item/1509830)

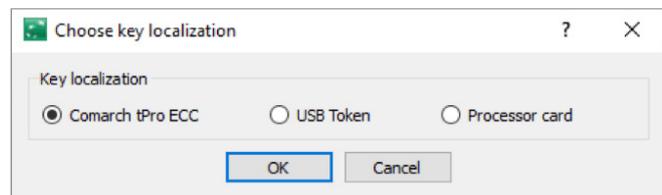
– and optionally, download and unzip („**CCP library**” **bnp.zip**) – unless the system downloads it automatically [https://www.bnpparibas.pl/\\_fileservers/time20170512125332/item/1509831](https://www.bnpparibas.pl/_fileservers/time20170512125332/item/1509831)

The **Qt5Pdf.dll** and **zlib1.dll** libraries should be put in the localization of installation of the Comarch Crypto Provider – by default it is **C:\Program Files\Comarch\ComarchCryptoProvider**

The **bnp.dll** and **updater.dll** libraries should be put in the localization of installation of the Comarch Crypto Provider in the DLLS catalogue – by default it is the following localization **C:\Program Files\Comarch\ComarchCryptoProvider\dlls**

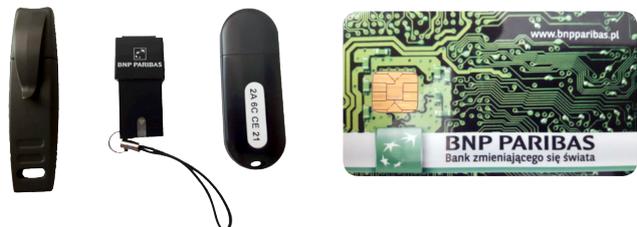
3

During the key generation on the **T-Pro** device, the „**Comarch tPro ECC**” localization should be selected.



4

In the event other cryptographic devices are used, such as **Gemplus**, **Athena**, **Oberthur** or a cryptocard, the following key localization should be selected: **USB token** or **processor card**, respectively.



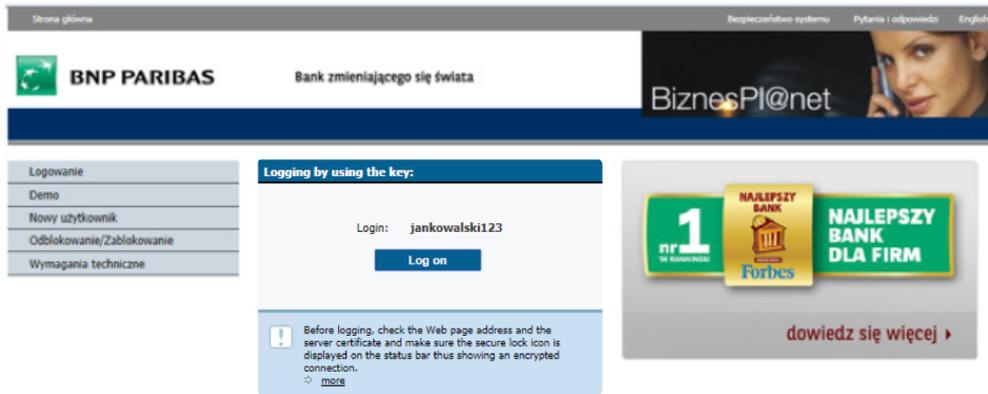
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# LOGGING

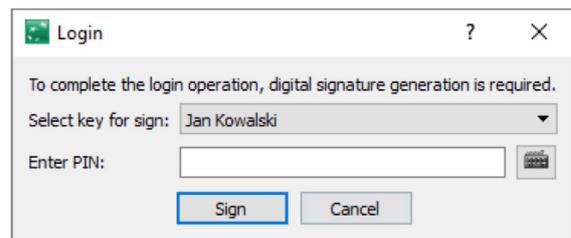
1

Upon a correct login provided, the BiznesPl@net system recognizes the logging method to the default gateway (the company) and if the access certification is required with the use of a cryptographic device – a **[LOG ON]** button will be displayed.



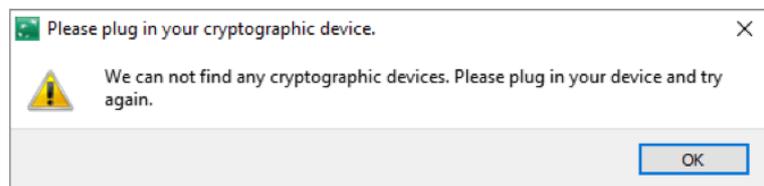
2

When the **[LOG ON]** button is pressed, the system will ask you to select a key in the *Select key for sign window* and will require a PIN to that key.



3

In the event there is no device in the computer's USB port, the following message will be displayed.



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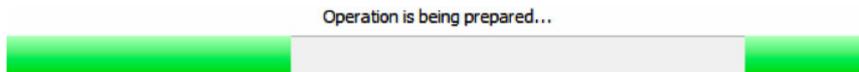
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# LOGGING

⋮

4

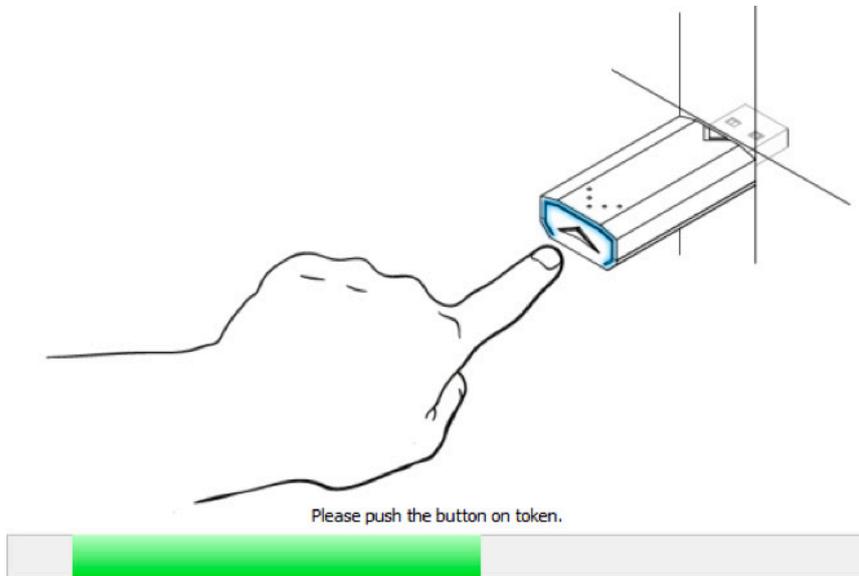
If the device is connected to USB and a correct PIN is provided, the system will start verifying the correctness of the authorization by showing the progress bar:



⋮

5

The verification process will be interrupted in order to press the button on the T-Pro device.



## NOTE:

The User will have 15-20 seconds to press the button from the moment of displaying the above screen. If the button is not pressed within the time set, the logging process should be repeated. After using the cryptographic key, it should be removed from the USB port.



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# INSTRUCTION AUTHORIZATION

1

In the BiznesPL@net system, the authorization of the electronic signature by the key is required in the following cases:

- signing payments,
- signing applications,
- introducing or changing counterparty's data,
- import of payments or counterparties.

When you select the **[SIGN]** button, the system will present details of the instruction and ask you to select a key in the *Select key for sign* window and will require PIN to that key (by default, the expanded form with the order content: *Formatted*).

The screenshot shows a 'Sign order' dialog box with a 'Collapse' button. Under 'Order content:', the 'Formatted' radio button is selected. Below is a table of order parameters:

Order parameter	Value
Numer sekwencyjny	20191205307563175R
Rachunek zleceniodawcy	71160011270003012235918001
Rachunek odbiorcy	14160014621835860960000001
Data zlecenia	27.12.2019
Kwota obciążenia	0.01

Below the table, 'Select key for sign:' is set to 'JKowalski'. The 'Enter PIN:' field is empty. 'Sign' and 'Cancel' buttons are at the bottom.

2

You can select the expanded form: *To-be-signed*

The screenshot shows the 'Sign order' dialog box with the 'To-be-signed' radio button selected. The order content is displayed as a text field containing: `_ZLECENIE_lsgn_trn_order_seq:Numer sekwencyjny:2019120530`. The 'Sign' button is highlighted in blue.

and shrunk:

The screenshot shows the 'Sign order' dialog box in a shrunk state. The 'Expand' button is visible at the top. 'Select key for sign:' is 'JKowalski' and the 'Enter PIN:' field is empty. 'Sign' and 'Cancel' buttons are at the bottom.



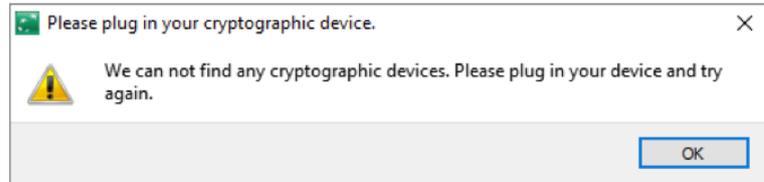
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# INSTRUCTION AUTHORIZATION

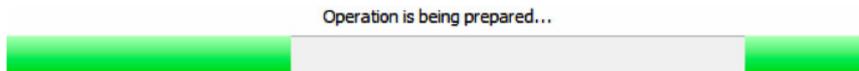
3

In the event there is no device in the USB port, the following message will be displayed:



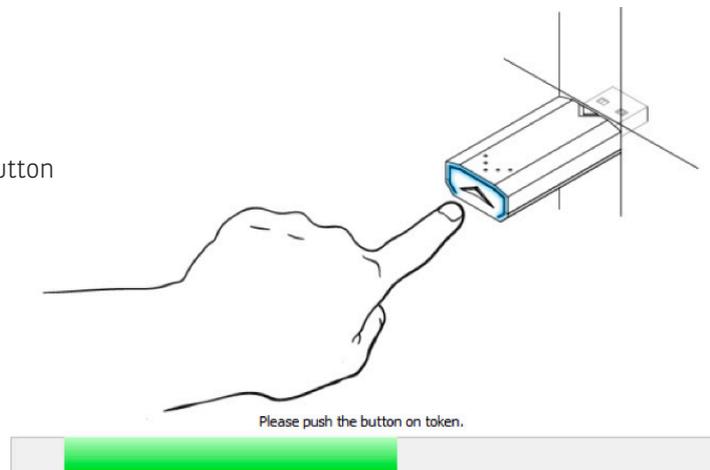
4

If the device is connected to USB, the key is selected and a correct PIN is provided, then the system will start verifying the correctness of the authorization by showing the progress bar:



5

The verification process will be interrupted in order to press the button on the T-Pro device.



## NOTE:

Time for pressing the button from the moment of displaying the above screen is 15-20 seconds. If the button is not pressed within the time set, the logging process should be repeated. After using the cryptographic key, it should be removed from USB.



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