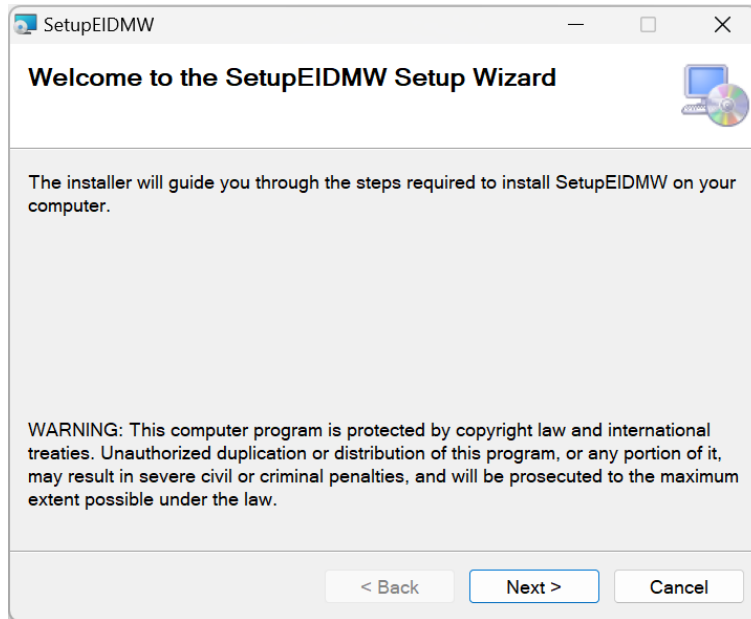


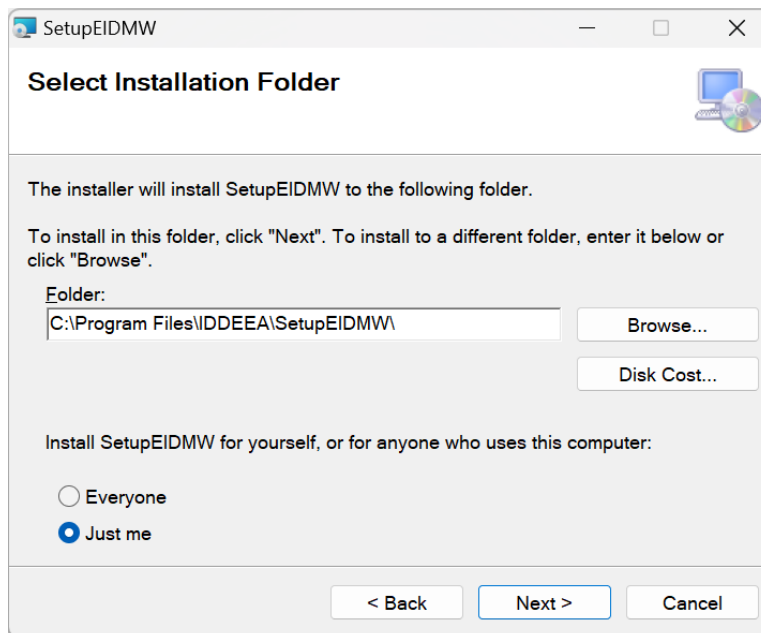
# Installation and user guide

## SetupEIDMW and OpenSC

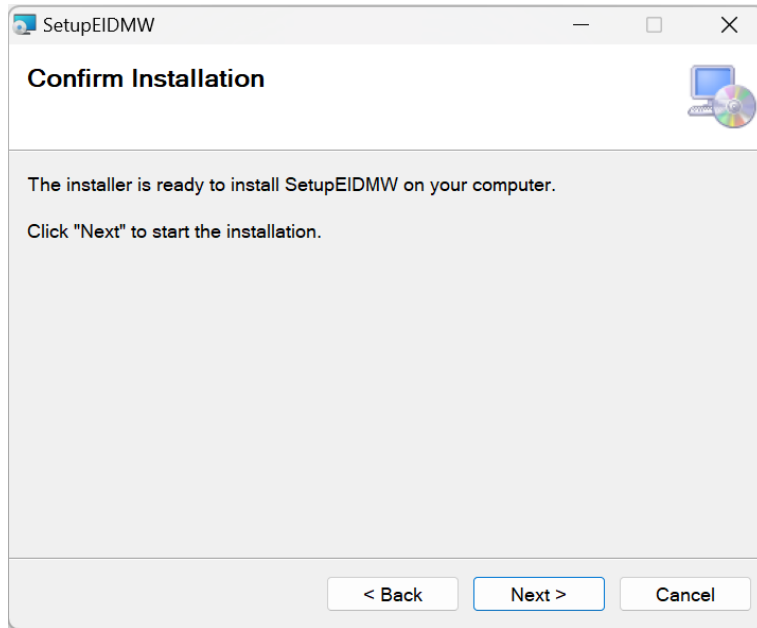
1. Run the installation of the "SetupEIDMW.msi" application downloaded from our website.
2. A window for starting the installation will open, click **Next >**



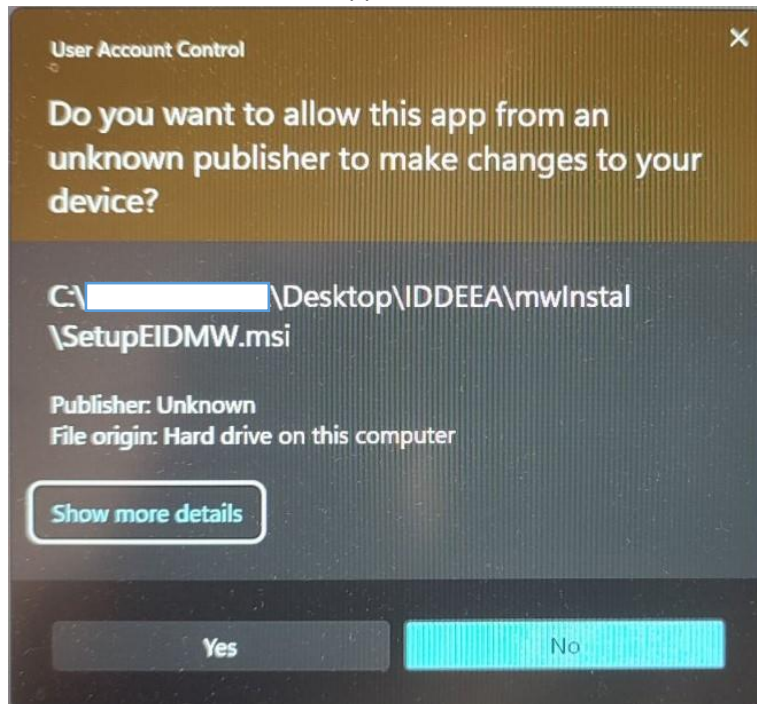
3. Click **Next >**



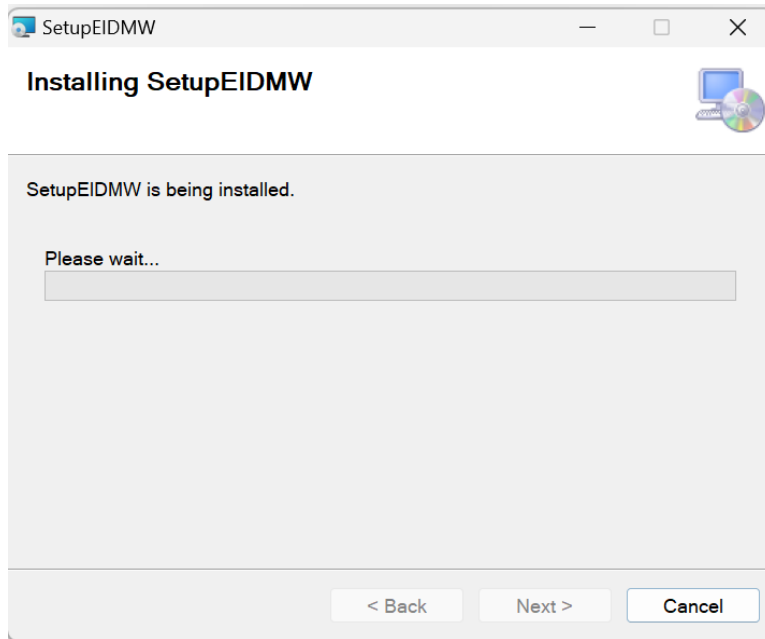
4. Click **Next >**



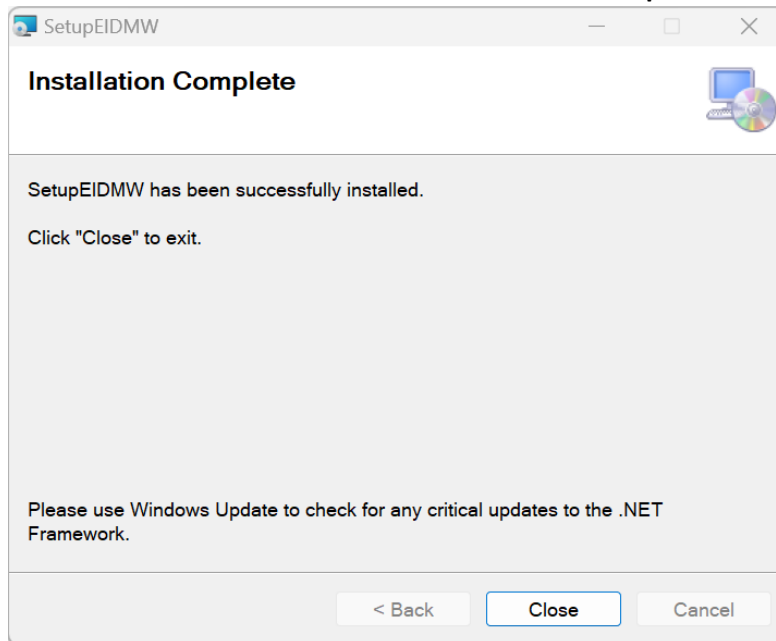
5. Click **Yes** to allow the installation of the application.



6. Wait for the installation to finish



7. A window will open informing you about the successful installation  
Click **Close** to close the window and finish the installation of **SetupEIDMW.msi**



- Open the location where you installed the application

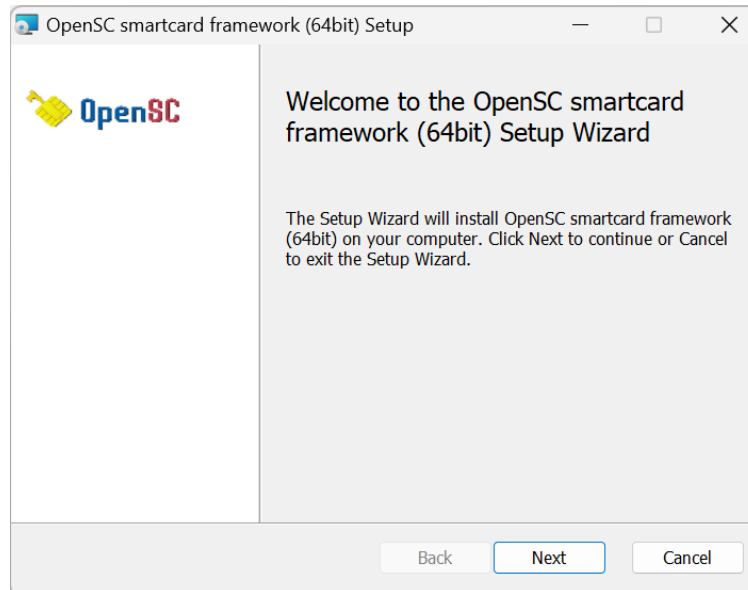
**C:\Program Files\IDDEEA\SetupEIDMW**

And in that folder run the installation of

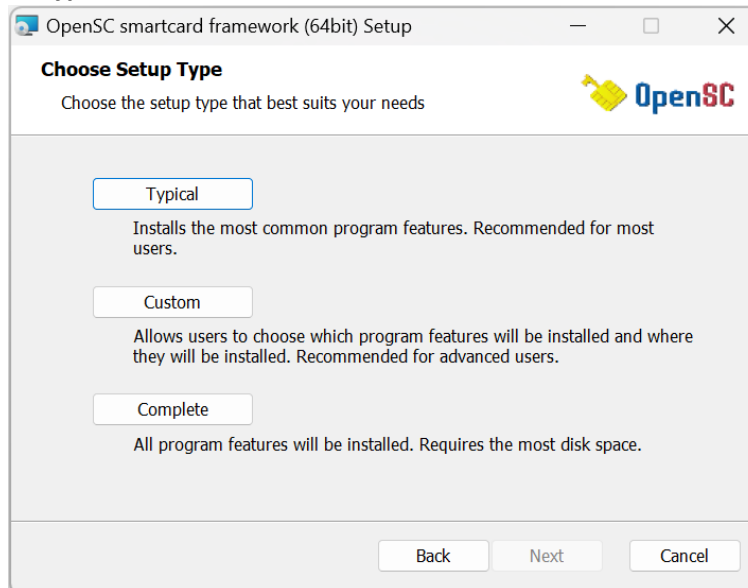
**OpenSC-0.25.1\_win64.msi**

- A window with Setup Wizard for OpenSC will open

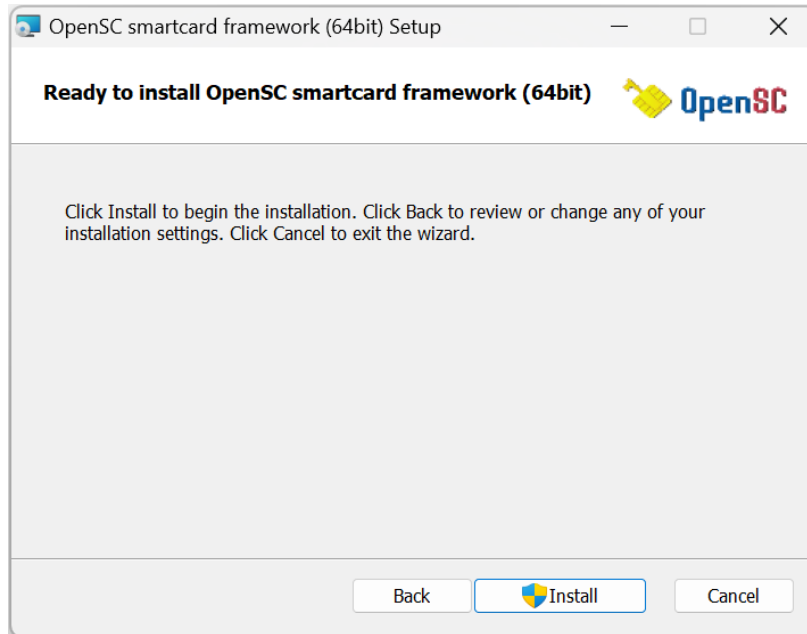
Click **Next >**



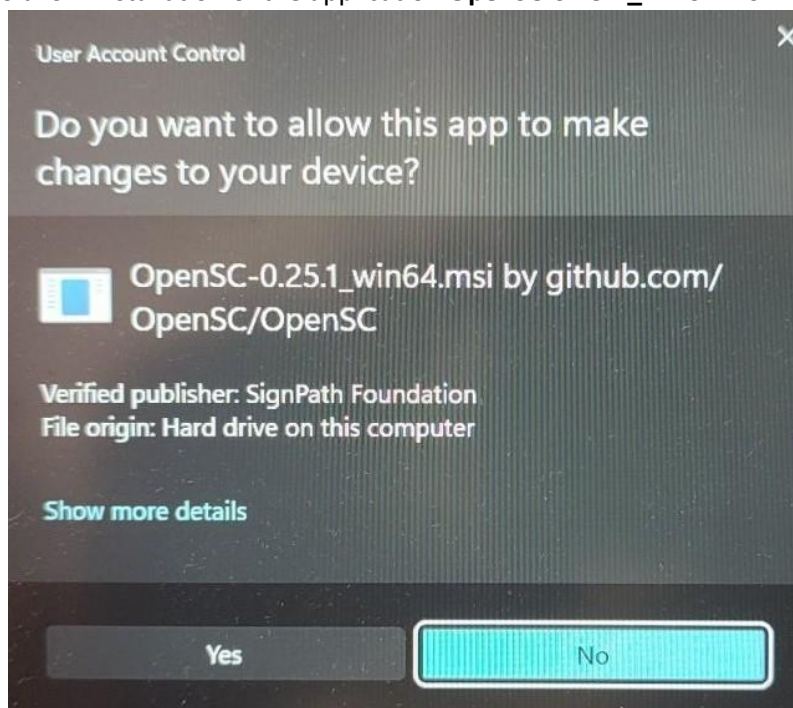
- Choose option **Typical** and click **Next**



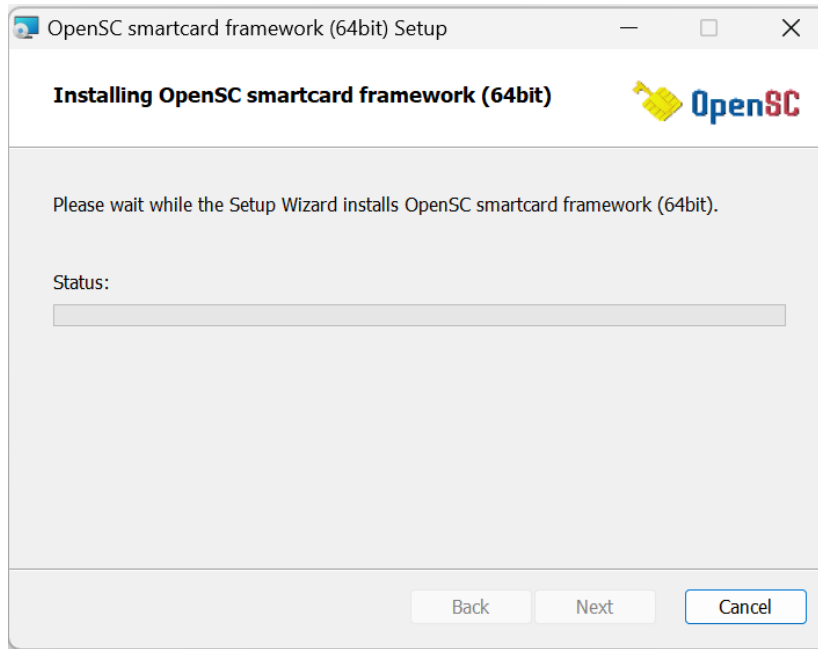
- Click **Install** to run the installation of **OpenSC-0.25.1\_win64.msi**



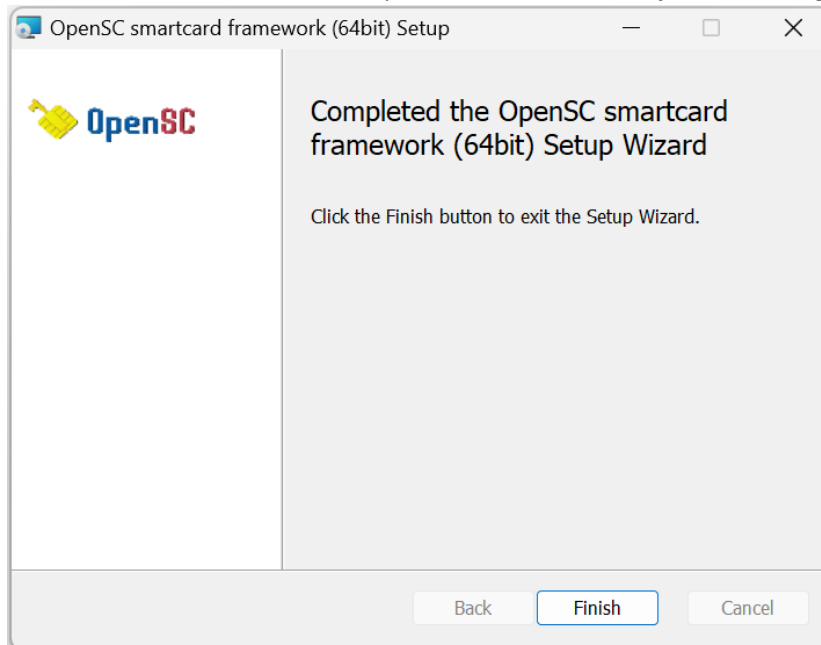
12. Click **Yes** to allow installation of the application **OpenSC-0.25.1\_win64.msi**



13. Wait for the installation to finish



14. A window will open informing you about the successful installation  
Click **Finish** to close the window and complete the installation **OpenSC-0.25.1\_win64.msi**



# Use of BiH eID Middleware Application

After the successful installation of the application, an icon to start the Middleware application will appear on your desktop.

- HID Omnikey 5321CL and HID Omnikey 5421 are tested readers and other supported contactless readers can be used.

## 1. How to choose a reader?

- As an initial step in using the middleware for BiH LK/OI, you must select a suitable contactless reader with a connected BiH eLK/OI and applet version 2.0.
- HID Omnikey 5321CL and HID Omnikey 5421 are tested readers, while other supported contactless readers can be used.

Izbor čitača Aktivacija eID Promjena PIN koda Deblokada eID Import certifikata u eID

Kao početni korak u korištenju middleware-a za BiH LK/OI morate odabrati odgovarajući bezkontaktni čitač sa spojenom BiH eLK/OI sa apletom verzije 2.0

Izbor čitača pametnih kartica  
OMNIKEY CardMan 5x21-CL 0

Broj certifikata na LK/OI 0

Podaci o prvom certifikatu na LK/OI

Podaci o drugom certifikatu na LK/OI

Podaci o ostalim certifikatima na LK/OI

Detalji o certifikatima na LK/OI

Koristite čitač: OMNIKEY CardMan 5x21-CL 0, sa spojenom BiH LK/OI verzije apleta 2.0. Redni broj čitača na vašem računaru: 2

- **eID Application**

For safe use and acquisition of eID digital representation, you need to change the PIN on your LK/OI. Changing the PIN is done by entering the identification number you received on the LK-OI-2A and the form by entering your new PIN twice. Be sure to remember the PIN entered here, as it will serve as proof that you personally use LK/OI for the purposes of digital representation when using eServis services. The new PIN must contain 6 numeric digits.

The screenshot shows a web application window titled "BIH eID Middleware 2.0". At the top, there is a navigation bar with the following tabs: "Izbor čitača", "Aktivacija eID", "Promjena PIN koda", "Deblokada eID", and "Import certifikata u eID". The "Aktivacija eID" tab is currently selected.

Below the navigation bar, there is a circular logo on the left and a block of text on the right. The text reads: "Za sigurnu upotrebu i aktivaciju eID digitalnog predstavljanja potrebno je da promijenite PIN kod na LK/OI. Promjena PIN-a se vrši unosom identifikacijskog broja koji ste dobili na LK-OI-2A i obrascu dvostrukim unosom vašeg novog PIN-a. Ovdje unesen PIN kod obavezno zapamtite jer će isti služiti kao dokaz da vi osobno koristite LK/OI u svrhe digitalnog predstavljanja prilikom korištenja usluga eServisa. Novi PIN kod treba biti numerički sa 6 cifara."

Below the text, there are three input fields for data entry:

- Identifikacijski broj
- Vaš novi PIN kod
- Ponovite vaš novi PIN kod

To the right of the third input field is a button labeled "Aktiviraj eID".

Below the input fields is a section labeled "Rezultat operacije" with a large empty rectangular box for displaying the result.

At the bottom left of the window, there is an "Info:" label.



- **How to change a PIN?**

You use this form when you want to change the PIN on your LK/OI. Changing the PIN code requires entering the currently valid PIN code. The PIN must contain 6 digits.

The screenshot shows a window titled "BIH eID Middleware 2.0" with a navigation bar containing "Izbor čitača", "Aktivacija eID", "Promjena PIN koda", "Deblokada eID", and "Import certifikata u eID". The "Promjena PIN koda" tab is active. On the left is the logo of the Federal Bureau of Investigation of Bosnia and Herzegovina. The main content area contains the following text and form elements:

Ovu formu upotrebljavate kada želite promijeniti PIN kod na LK/OI. Promjena PIN koda zahtjeva unos trenutno važećeg PIN koda. PIN kod mora biti numerički sa 6 cifara.

Vaš sadašnji PIN kod

Vaš novi PIN kod

Ponovite vaš novi PIN kod

Rezultat operacije

Info:

- **eID Unlocking**

This form is used when your eLK/OI is blocked due to 3 or more incorrect consecutive PIN entries. It uses the OpenSC project, so it is necessary to install it to be compatible with the architecture of your Windows OS and PC. The download link is <https://github.com/OpenSC/OpenSC/releases/>

The screenshot shows a web application window titled "BIH eID Middleware 2.0". At the top, there is a navigation menu with the following items: "Izbor čitača", "Aktivacija eID", "Promjena PIN koda", "Deblokada eID" (which is highlighted), and "Import certifikata u eID".

Below the menu, there is a logo on the left and a text block on the right that reads: "Ovu formu upotrebljavate kada vam je vaša eLK/OI blokirana sa tri ili više pogrešna uzastopna unosa PIN koda. Koristi OpenSC projekat pa ga je neophodno instalirati u skladu sa arhitekturom vašeg Windows OS-a i PC-a. Link za download je <https://github.com/OpenSC/OpenSC/releases/>".

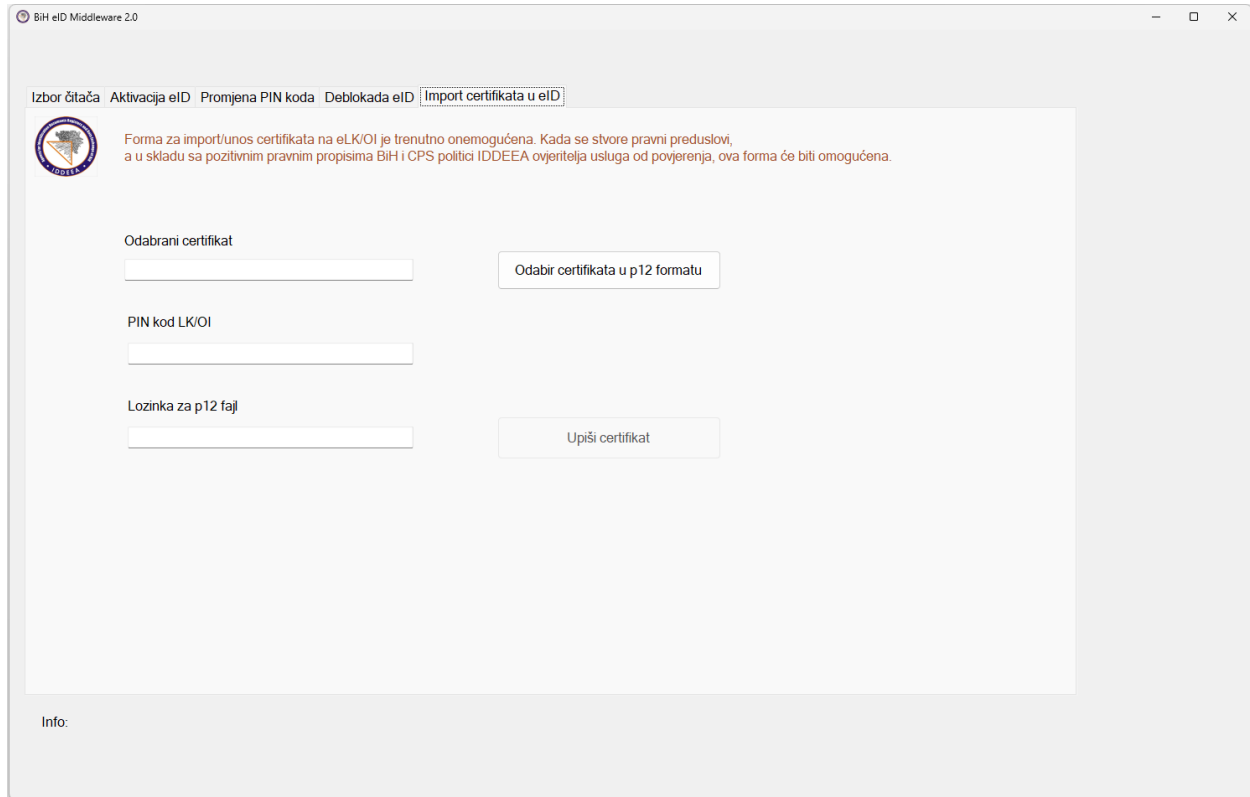
The main content area is divided into two sections:

- Left Section:** Contains a text input field labeled "broj LK/OI", a button labeled "Generisanje Admin kjuča", a text input field labeled "Administratorski kjuč", and a large button at the bottom labeled "Deblokiraj eLK/OI".
- Right Section (Rezultat deblokiranja):** Contains a text input field labeled "Novi PIN kod" and a large text area below it for displaying the result.

At the bottom left of the window, there is an "Info:" label.

- **Entering the certificates in the eID**

The form for importing/entering certificates on eLK/OI is currently disabled. When the legal prerequisites are created, in line with the positive legal regulations of BiH and the CPS policy of the IDDEEA as a trusted CA, this form will be enabled.



The screenshot shows a web application window titled "BiH eID Middleware 2.0". The navigation menu includes "Izbor čitača", "Aktivacija eID", "Promjena PIN koda", "Deblokada eID", and "Import certifikata u eID". The "Import certifikata u eID" page is currently active and displays a message: "Forma za import/unos certifikata na eLK/OI je trenutno onemogućena. Kada se stvore pravni preduslovi, a u skladu sa pozitivnim pravnim propisima BiH i CPS politici IDDEEA ovjeritelja usluga od povjerenja, ova forma će biti omogućena." Below the message, there are three input fields: "Odabrani certifikat", "PIN kod LK/OI", and "Lozinka za p12 fajl". To the right of the "Odabrani certifikat" field is a button labeled "Odabir certifikata u p12 formatu". To the right of the "Lozinka za p12 fajl" field is a button labeled "Upiši certifikat". At the bottom left, there is an "Info:" label.