Office of Environment, Health, Safety and Security

User Guide Using HSPD-12 cards for web applications

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1   Overview

As mandated by the Homeland Security Presidential Directive 12 (HSPD-12), Office of Management and Budget (OMB) M 05-24, and Department of Energy (DOE) O 206.2, the Office of the Chief Information Office (OCIO) Office of Environment, Health, Safety and Security (EHSS) has implemented software and configuration changes that will obligate users to log on to their web applications with their HSPD-12 credentials.

The tables below list Internet browser and operating system versions tested for their functionality with remote PIV with VDI.

1.1   Web Browsers

Browser	Version	Functions with PIV?
Microsoft Internet Explorer	11.0.9600.18449	Yes
Google Chrome	52.0.02743.82 m	Yes
Mozilla Firefox		Not supported.

1.2   Operating Systems

| Operating System	Version	Function with PIV?
Windows	7.0 and above	Yes

2   Types of Smart Card Readers and Installation

The three types of smart card readers used in the DOE environment are displayed below. To learn more about card readers, refer to Powerpedia page:

HTTPS://POWERPEDIA.ENERGY.GOV/WIKI/SMART_CARD_READER.

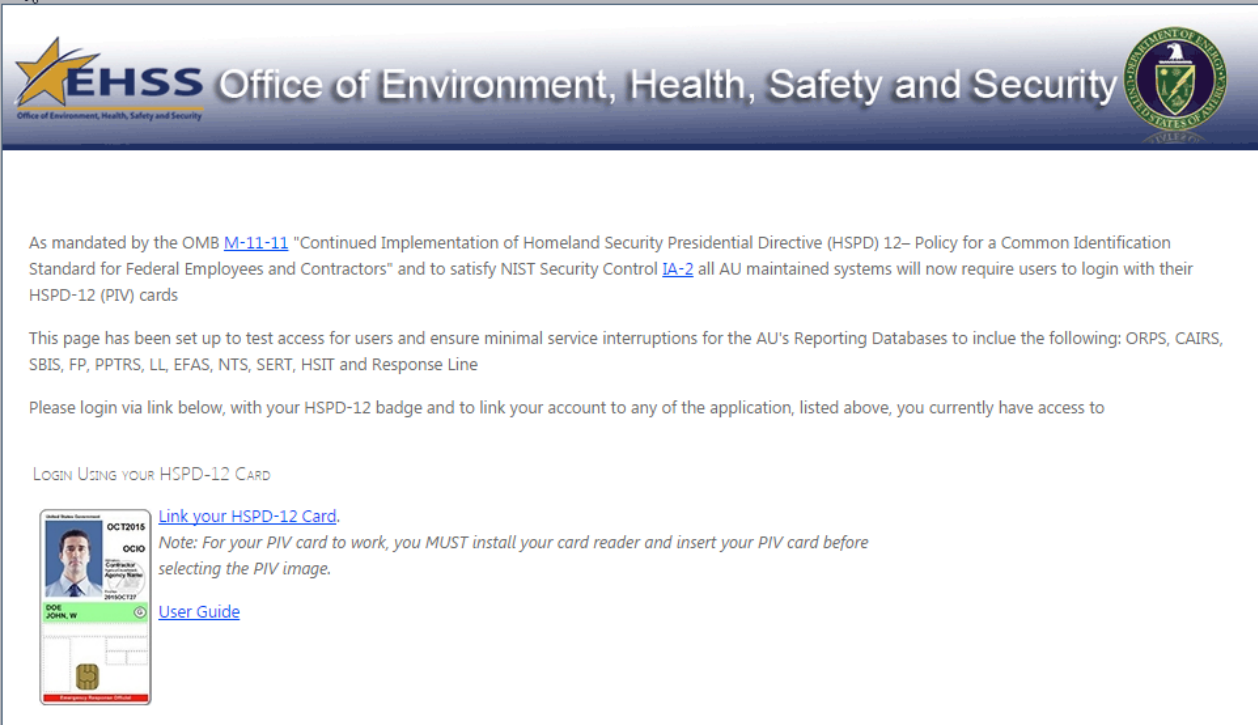| 1. Internal Card Reader	2. Portable Card Reader	3. Standard Card Reader

3   Install the External Reader on a PC

To install the external card reader, connect the card reader to your workstation. The card reader self-installs. To view the status of the installed card reader, go to the lower left of the Windows screen. Select **Start➔ Devices and Printers**.
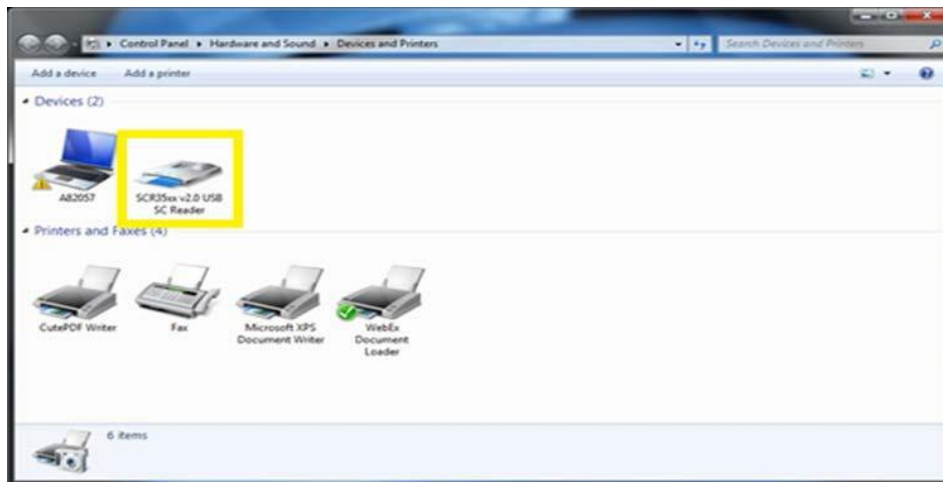
4 Accessing Web application from your Desktop or Laptop

1. Once the card reader has been installed, insert your PIV card into the reader.
2. Open web browser, type HTTPS://REGISTRATION-TEST.DOE.GOV, and press **Enter**.
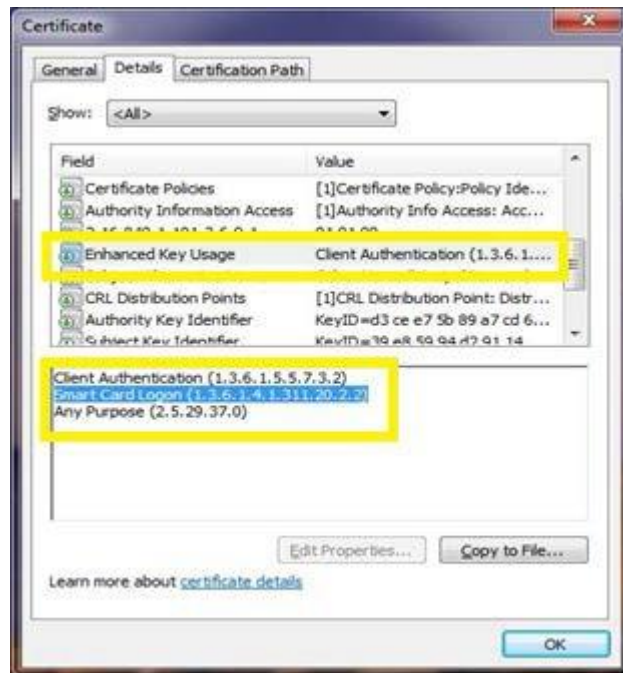3. Select **Access REGISTRATION using your PIV card**.

4. A certificate box displays.

5. To determine the correct certificate is being used, select **Click here to view certificate properties**. Select the **Detail** tab.

a. Scroll down and select **Enhanced Key Usage** and look for Smart Card Logon as shown below.

b. After verifying the certificate, select **OK**.

Note: The application does not ask for your PIN after your initial login because it was cached. You MUST close the browser to complete the log out process.

6. Type your PIN and press **Enter**.

7. You are now logged on to the REGISTRATION page.

Appendix B: Selecting Incorrect Certificate

If you select the wrong certificate after entering your PIN, an error message states the page cannot be displayed. Follow these troubleshooting steps to select the correct certificate.
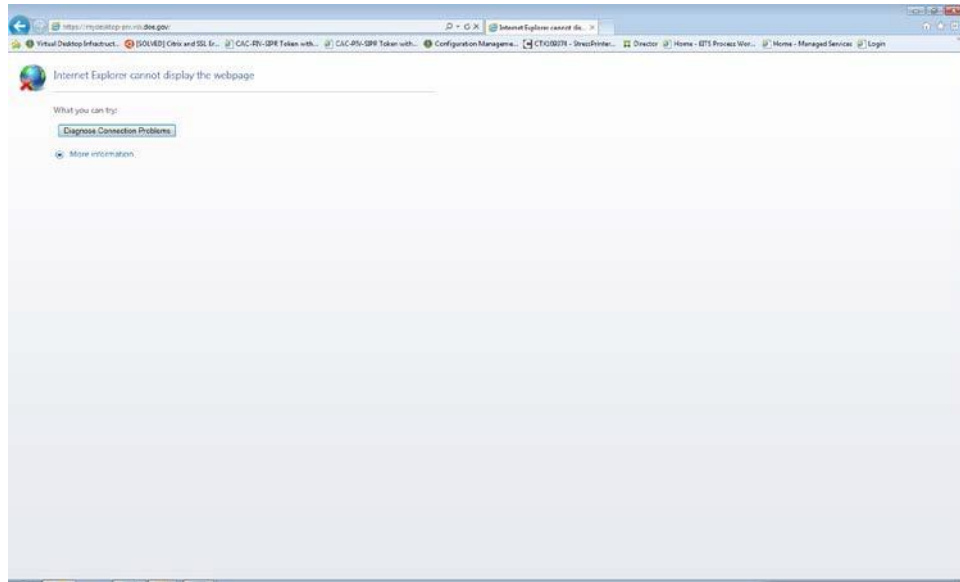
1. Close the browser.
2. Remove your PIV card from the reader, then re-insert it.
3. Open the browser again.
4. Go back to the logon instructions to select the correct certificate.