How do I set up OnGuard to allow U.S. Government smart cards to be used at (appropriate) readers?

Last Modified on 06/09/2025 3:03 pm EDT

Question

How do I set up OnGuard to allow U.S. Government smart cards to be used at (appropriate) readers?

Answer

1) Determine if the reader(s) are 75-bit output or 200-bit output.

- **75-bit output**: All U.S. Government smart cards contain a 200-bit FASC-N (Federal Agency Smart Card Number), but some readers convert the output to 75-bit binary data. This 75-bit string can be read as a Weigand output.

- **200-bit output:** Readers that output the full 200 bits use a magnetic output. The 200-bit output is in ABA Magnetic format and requires the card format and reader to be set for magnetic data reading.

2) Set up the appropriate card format.

- To set up a 200-bit card format, follow the instructions found in article "How to configure a 200-bit PIV card format"

- To set up a 75-bit card format, follow the instructions found in article "How to configure a 75-bit PIV card format"

Applies To

OnGuard (All versions)

Additional Information

None