



Partners in Building UAE's Security & Economy

VG services

www.emiratesid.ae

Federal Authority | حتا تـئنيـه سـقـيد

Our Vision: To be a role model and reference point in proofing individual identity and build wealth informatics that guarantees innovative and sophisticated services for the benefit of UAE

Online Services from EmiratesID from the Validation Gateway



1. Verify that the EIDA card is genuine and valid
2. Read ID Card Public data (Zero Footprint)
3. Biometric verification of cardholders with fingerprints
4. PIN Reset
5. Digital Signing Service
 - Basic PDF signature
 - PDF signature with timestamp
 - PDF signature with long term validation (LTV) information
6. OCSP, verify certificates validity online
7. Timestamp Service



VERIFY THAT EIDA CARD IS GENUINE AND CHECKING THE STATUS



READ ID CARD PERSONAL INFORMATION



BIOMETRIC VERIFICATION OF CARDHOLDERS WITH FINGERPRINTS



PIN RESET



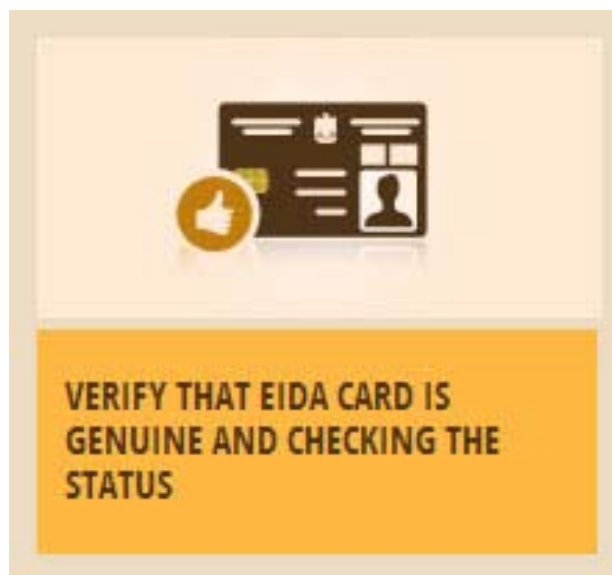
DIGITAL SIGNING SERVICE



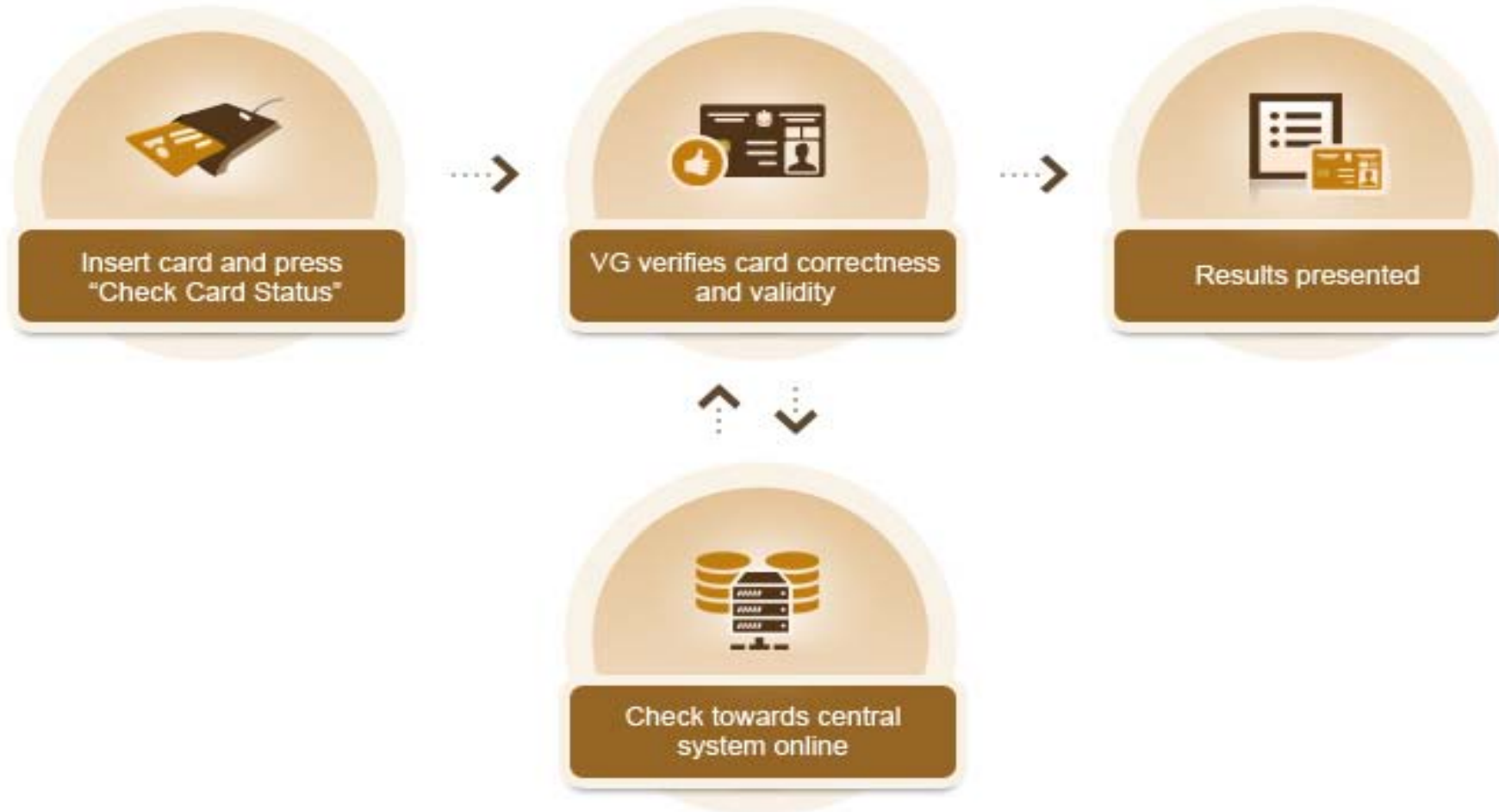
OCSP



TIMESTAMP SERVICE



- Enables cardholders to verify their card with the Validation Gateway
- A smart card reader connected to the computer will capture the card information and is validated by the Validation Gateway via a Service Provider.
- The certificates on the card are checked online.



❑ Status of the Emirates ID card

- Each Emirates ID card has an embedded digital certificate for authentication and signing information.
- Each certificate has an expiry date, or the certificate might be revoked ahead of its natural expiry time.
- You can with the use of a public station or computer to get the status of the card information.



- Collects the personal information from the card
- Presents the correct information, fast and less error prone



- Validation Gateway validates the card

Display card holder information (screenshot)



UAE Card Public Data Applet Sample Application

ID Type:	--	Sex:	--	Mother First Name (Ar):	--
CSN:	--	Date of Birth:	--	Mother First Name:	--
ID Number:	--	Full Name (Ar):	--	Family ID:	--
Card Number:	--	Full Name:	--	Husband IDN:	--
Issue Date:	--	Marital Status:	--	Sponsor Type:	--
Expiry Date:	--	Occupation:	--	Sponsor Number:	--
		Title (Ar):	--	Sponsor Name:	--
		Title:	--	Residency Type:	--
		Nationality (Ar):	--	Residency Number:	--
		Nationality:	--	Residency Expiry Date:	--

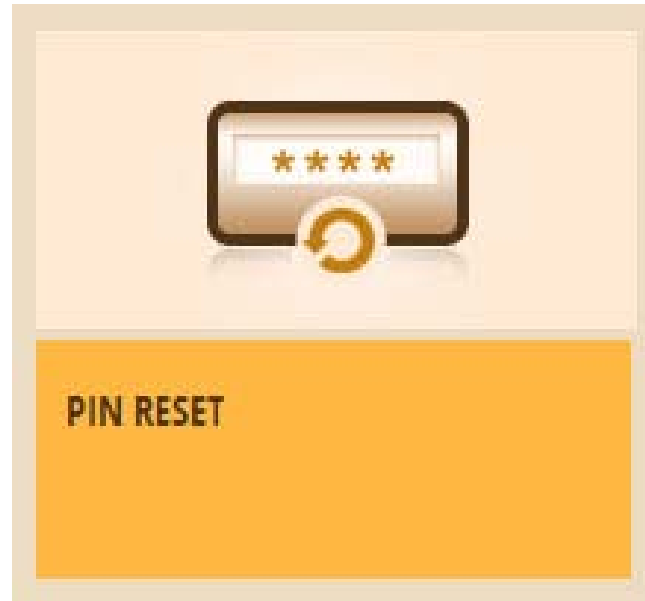
The received response is: **Valid**



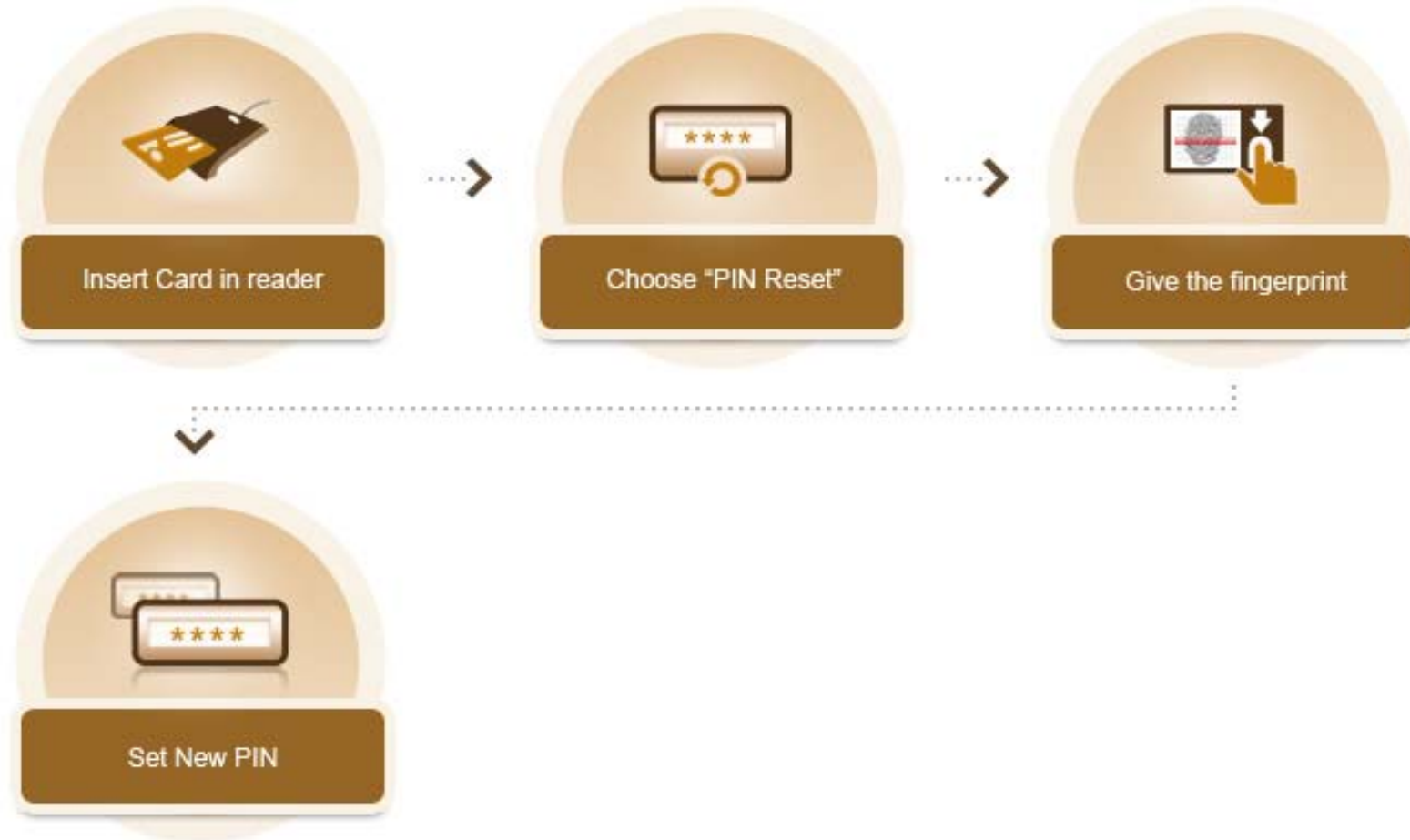
- Verify the correctness of the fingerprint
- A card reader with fingerprint reader needed



- Validation Gateway indicates which fingers can be used
- The fingerprint captured by the reader is verified with the image stored on the card



- If the PIN is forgotten the card holder can reset the PIN
- The card is locked if a faulty PIN is entered 5 times
- A card reader with fingerprint reader needed



- To reset the PIN the card holder must be authenticated using its fingerprint
- The PIN must be 4 characters



- PDF files can be digitally signed
- Card holder signs using the certificates on the card
- Equivalent to physical signature



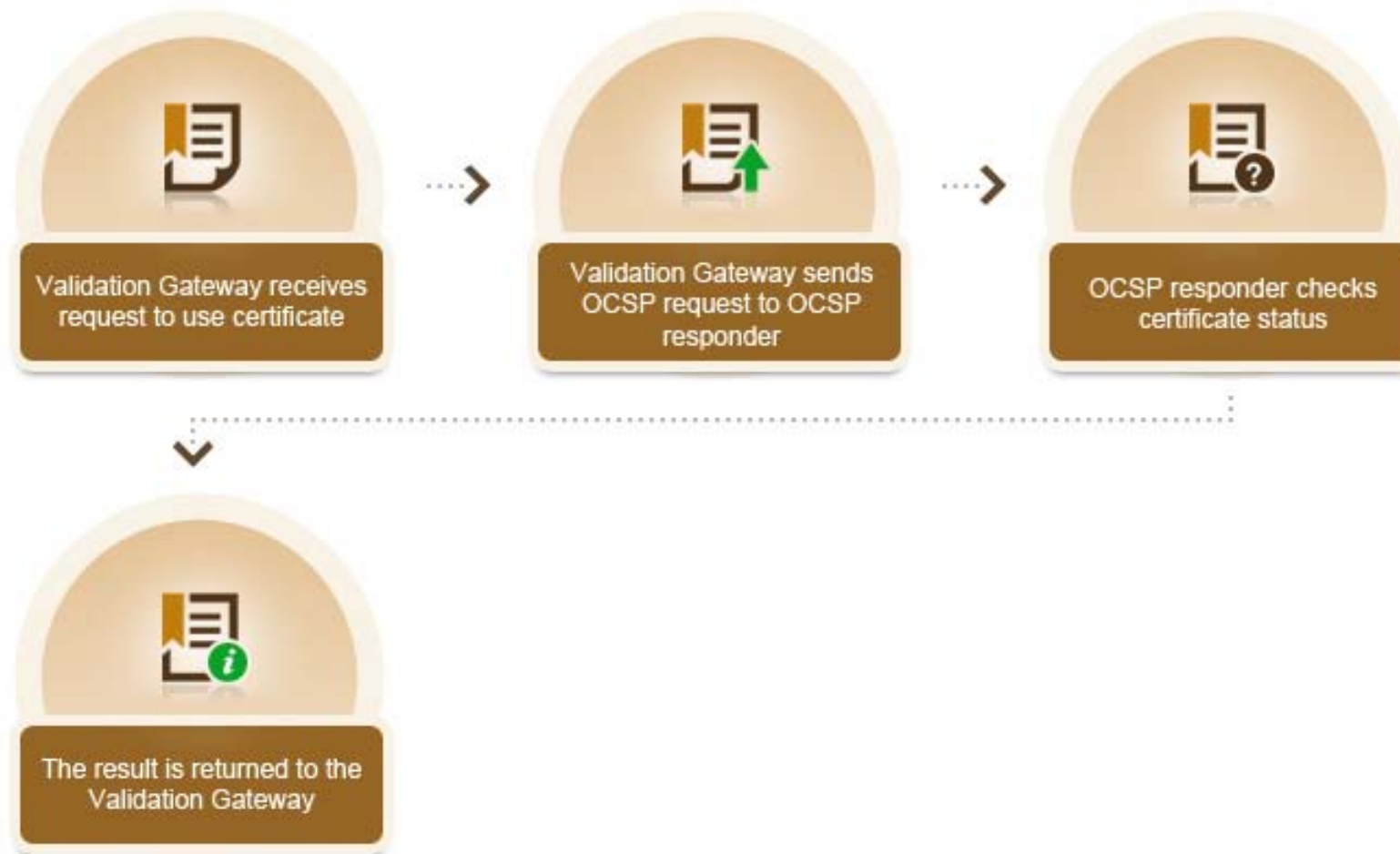
- Basic PDF signature
- PDF signature with timestamp
- PDF signature with long term validation (LTV) information

Verify that the certificate is valid using OCSP (Online Certificate Status Protocol)



- Check that the certificate is valid and not revoked

Verify that the certificate is valid using OCSP (Online Certificate Status Protocol)



- Validation Gateway checks the certificate at every time its used
- OCSP is updated with the status of revoked certificates from the CA



- Adds a secure information on when a signature was performed
- Time stamp is performed by a server with a trusted time source



- The Time Stamp is initiated from the Validation Gateway and added to the signed document
- The time of the signature can be verified at a later time