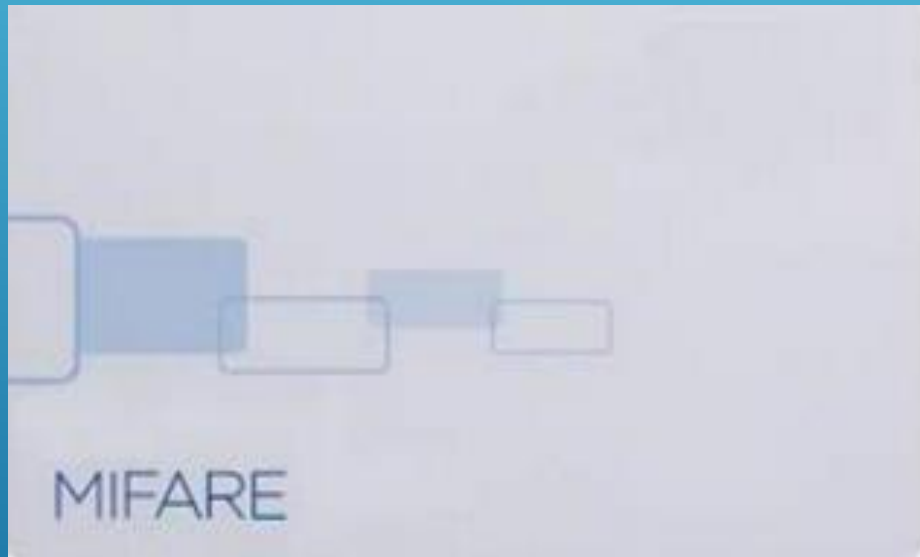


CSN MIFARE CARDS AND HAND



and



TO WORK WITH MWC READERS

ACRONYMS

MWC=MORPHO WAVE COMPACT

UP=USER POLICY

BDP=BIOMETRIC DEVICE PROFILE

MM=MORPHO MANAGER

ACP=ACCESS CONTROL PANEL

CSN=CARD SERIAL NUMBER

MORPHOMANAGER DEFAULT LOG IN

USERNAME-ADMINISTRATOR

PASSWORD-PASSWORD

ADD AN BIOMETRIC DEVICE

Administration>Biometric Device

Biometric devices from three different hardware families can be added here; the MA 100, MA J, MA 500, and MA VP family, the MA Sigma, MA Sigma Lite And MA Sigma Lite + MA Sigma Extreme, the Morpho 3D Face, the MorphoWave Tower, MorphoWave Compact, and the Morpho Tablet Terminal.

ADD THE MWC AS THE EXAMPLE BELOW

The screenshot shows a web application interface with a navigation menu on the left and a main form area on the right. The navigation menu includes items such as Home, Administration, User Management, Biometric Identification, Access Logs, and Reports. The main form area is titled "Adding Biometric Device" and contains the following fields and options:

- Name: Morphowave Compact
- Description:
- Location:
- Device ID:
- Export Value:
- Time Zone: (UTC-08:00) Pacific Time (US & Canada)
- Hardware Family: MorphoWave Tower, MorphoWave Compact
- Serial Number:
- Hostname\IP Address: 192.168.1.10
- Port: 11010
- Biometric Device Profile: Default
- Include in Time & Attendance Exports:
- Change User Onsite / Offsite Status:
- Onsite Key: No Key
- Offsite Key: No Key

A red arrow points to the "Finish" button at the bottom right of the form.

CLIENTS



Path Administration>Clients

Clients are computers that have the MorphoManager Client software installed and communicate with a MorphoManager server

TO READ THE MIFARE CSN YOU REQUIRE
A OMNIKEY OR MWC



MWC



USB OMNIKEY OR 5427 CK OR G2

ADD YOUR SIGMA OR OMNIKEY TO YOUR CLIENT

Operator

Key Policy

Biometric Device Profile

Biometric Device

Wiegand Profiles

User Policy

Access Schedules

User Distribution Group

User Authentication Mode

Operator Role

Notifications

Clients

Enter the details for this client

Name: This PC

Description:

Location:

Click Next until you get to Enrollment Devices

SEARCH FOR YOUR OMNIKEY UNDER SMARTCARD ENCODING

Enrollment Devices

3D Face Enrollment

Morpho 3D Face enrollment:

Morpho 3D Face enrollment biometric device:

Contact Enrollment

Morpho Finger biometric enrollment:

Morpho Finger enrollment MorphoAccess:

Contactless Enrollment

Morpho Contactless Finger biometric enrollment:

Morpho Contactless Finger enrollment MorphoAccess:

Smartcard Encoding

Morpho Smartcard encoding:

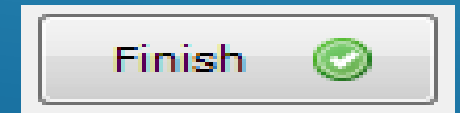
Morpho Smartcard encoding PC/SC device:

Morpho Smartcard encoding MorphoAccess:

Keys

Key Policy:

***IF USING A OMNIKEY TO GET CSN FROM
THE MIFARE CARD**



SEARCH FOR YOUR MWC UNDER SMARTCARD ENCODING

Enrollment Devices

3D Face Enrollment

Morpho 3D Face enrollment:

Morpho 3D Face enrollment biometric device:

Contact Enrollment

Morpho Finger biometric enrollment:

Morpho Finger enrollment MorphoAccess:

Contactless Enrollment

Morpho Contactless Finger biometric enrollment:

Morpho Contactless Finger enrollment MorphoAccess:

Smartcard Encoding

Morpho Smartcard encoding:

Morpho Smartcard encoding PC/SC device:

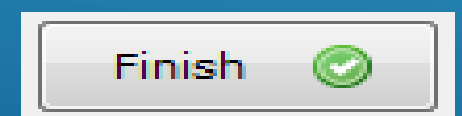
Morpho Smartcard encoding MorphoAccess:

Keys

Key Policy:



***IF USING A MWC TO GET CSN FROM THE MIFARE CARD**



SEARCH FOR YOUR MWC UNDER CONTACTLESS ENROLLMENT

***IN ORDER TO
CAPTURE
HANDS**

Enrollment Devices

3D Face Enrollment

Morpho 3D Face enrollment:

Morpho 3D Face enrollment biometric device:

Contact Enrollment

Morpho Finger biometric enrollment:

Morpho Finger enrollment MorphoAccess:

Contactless Enrollment

Morpho Contactless Finger biometric enrollment:

Morpho Contactless Finger enrollment MorphoAccess:

Smartcard Encoding


Morpho Smartcard encoding:

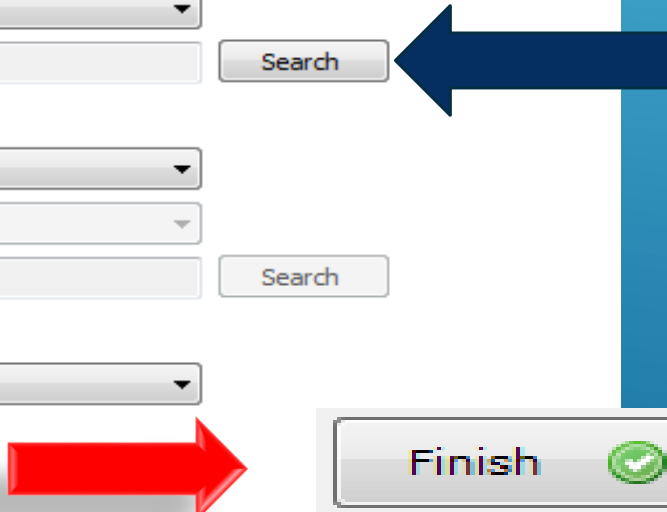
Morpho Smartcard encoding PC/SC device:

Morpho Smartcard encoding MorphoAccess:

Keys

Key Policy:





BIOMETRIC DEVICE PROFILE



Biometric Device
Profile

Path Administration>Biometric Device Profile

The Biometric Device Profile will define common settings and parameters for one or more biometric devices. This profile can be applied when adding units into the system from the Biometric Device section of Administration

BIOMETRIC DEVICE PROFILE

CREATE OR EDIT THE BIOMETRIC DEVICE PROFILE

Operator

Key Policy

Biometric Device Profile

Biometric Device

Wiegand Profiles

User Policy

Access Schedules

User Distribution Group

User Authentication Mode

Enter details for the Biometric Device Profile

Name:

Description:

Configuration Mode:

Log Retrieval Enabled:


Log retrieval interval: (seconds)

Duplicate check on biometrics: (Does not apply to Morpho 3D Face or MorphoTablet. Only applicable to new user adds or rebuild operations)

MorphoAccess heartbeat interval: (seconds)

Key Policy:



Next 

BIOMETRIC DEVICE PROFILE

Biometric Device Settings

General Settings

Wiegand Profile:

Language:

Realtime logging enabled:

Biometric Threshold Settings

Biometric Threshold:


MorphoAccess Vein Print Mode:

MorphoAccess Fingerprint Threshold:

Morpho 3D Face Identification Threshold:

Morpho 3D Face Verification Threshold:



Next 

THE WIEGAND PROFILE MUST BE SET TO WHATEVER THE MIFARE CARD FORMAT IS

BIOMETRIC DEVICE PROFILE

Multi-Factor Mode Settings

Multi-Factor Mode: ←

Contactless Smart Card Mode: ←

Morpho 3D Face Multi-Factor Mode

Mode:

MA 100, MA J, MA 500, MA VP Multi-Factor Mode

Mode:

MA Sigma, MA Sigma Lite, MA Sigma Lite+, MA Sigma Extreme, MA Sigma VP and MorphoWave Multi-Factor Modes

Biometric:	<input type="checkbox"/>	Mifare Classic:	<input checked="" type="checkbox"/>
Proximity Card:	<input type="checkbox"/>	Mifare DESFire 3DES:	<input type="checkbox"/>
Wiegand In:	<input type="checkbox"/>	Mifare DESFire AES:	<input type="checkbox"/>
Clock and Data In:	<input type="checkbox"/>	Keypad:	<input type="checkbox"/>
HID iClass:	<input type="checkbox"/>		
HID iClass SEOS:	<input type="checkbox"/>		



Finish



SET THE MULTI-FACTOR MODE SETTINGS AS EXACTLY AS SHOWN

USER POLICY



Path Administration>User Policy

Create new User Policy

Select the User Policy that this user will belong to. This is an important selection, as the policy will determine Biometric Device access and other access control and time & attendance settings.

USER POLICY

CREATE A NEW USER POLICY

- Operator
- Key Policy
- Biometric Device Profile
- Biometric Device
- Wiegand Profiles
- User Policy**
- Access Schedules
- User Distribution Group
- User Authentication Mode

Enter the details for this User Policy

Name:

Description:

Access Mode:

Allow MA 500 database selection during user enrollment

Access Schedule:

Extended User Details: Display extended user details

Wiegand Profile:

User Authentication Mode:

Show Photo Capture Page:

Next 

**WIEGAND PROFILE WILL BE YOUR MIFARE CARD FORMAT
USER AUTHENTICATION MODE IS CONTACTLESS CARD ID + BIOMETRIC**

USER POLICY

CLICK NONE FOR FINGER BIOMETRICS

Enter the details for finger biometric options

Finger Biometric Enrollment Minimum Fingers:

None

Preferred Finger One:

Left Index Finger

Preferred Finger Two:

Right Index Finger

Preferred Duress Finger:

Left Middle Finger

Vein / Print Mode:

Universal Fast



It is recommended the mode set in User Policy for enrollment should be the same mode or a more restrictive mode than the mode set in Biometric Device Profile. Using a less restrictive mode in User Policy than in Biometric Device Profile is likely to increase the False Rejection Rate (FRR) of biometric devices.



Next



USER POLICY

CLICK TWO FOR WAVE ENROLLMENTS

Enter the details for wave biometric options

Wave Enrollment Minimum Hands:

Two

Show Wave Biometric Capture Page:



Finish



ENROLLMENT PROCESS

USER MANAGEMENT



User Management

Users are people who will have their biometric data sent to the selected Biometric Device for identification purposes for either access control or time and attendance.

USER MANAGEMENT

CREATE A NEW USER WITH THE USER POLICY CREATED EARLIER

Enter details for this User

User Policy: MWC CSN and Hand

Enabled:

First Name: Joe

Middle Name:

Last Name: Smith

Date of Birth: Use M/d/yyyy eg. 3/24/1986.

Next



POLICY MIFARE CSN AND HAND


USER MANAGEMENT

READ THE CSN BY USING EITHER A MWC OR OMNIKEY

Wiegand Values

Card Serial Number



Next 

USER MANAGEMENT

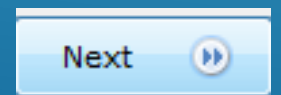
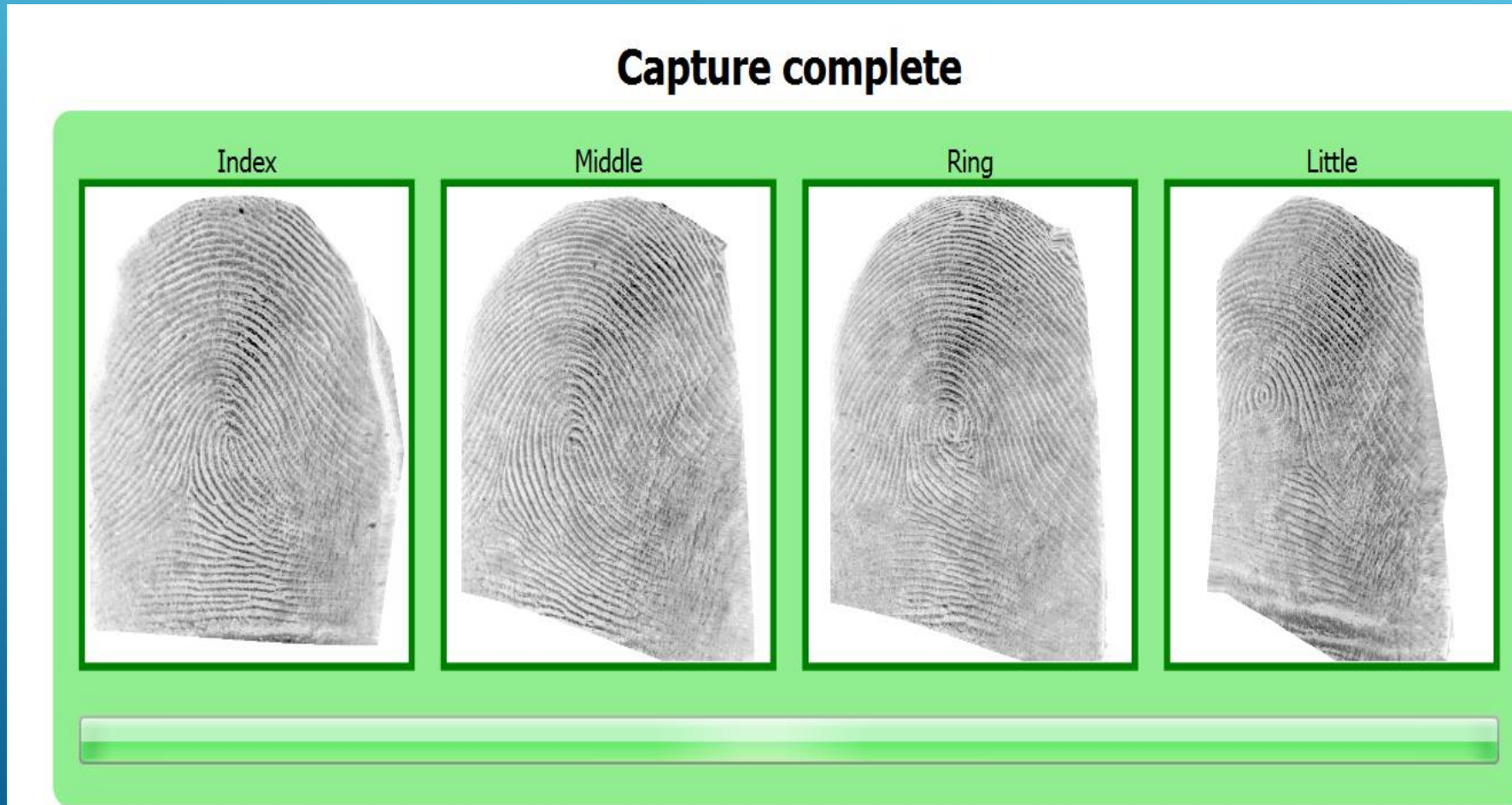
CLICK ON THE FLASHING HANDS TO START CAPTURING



Next 

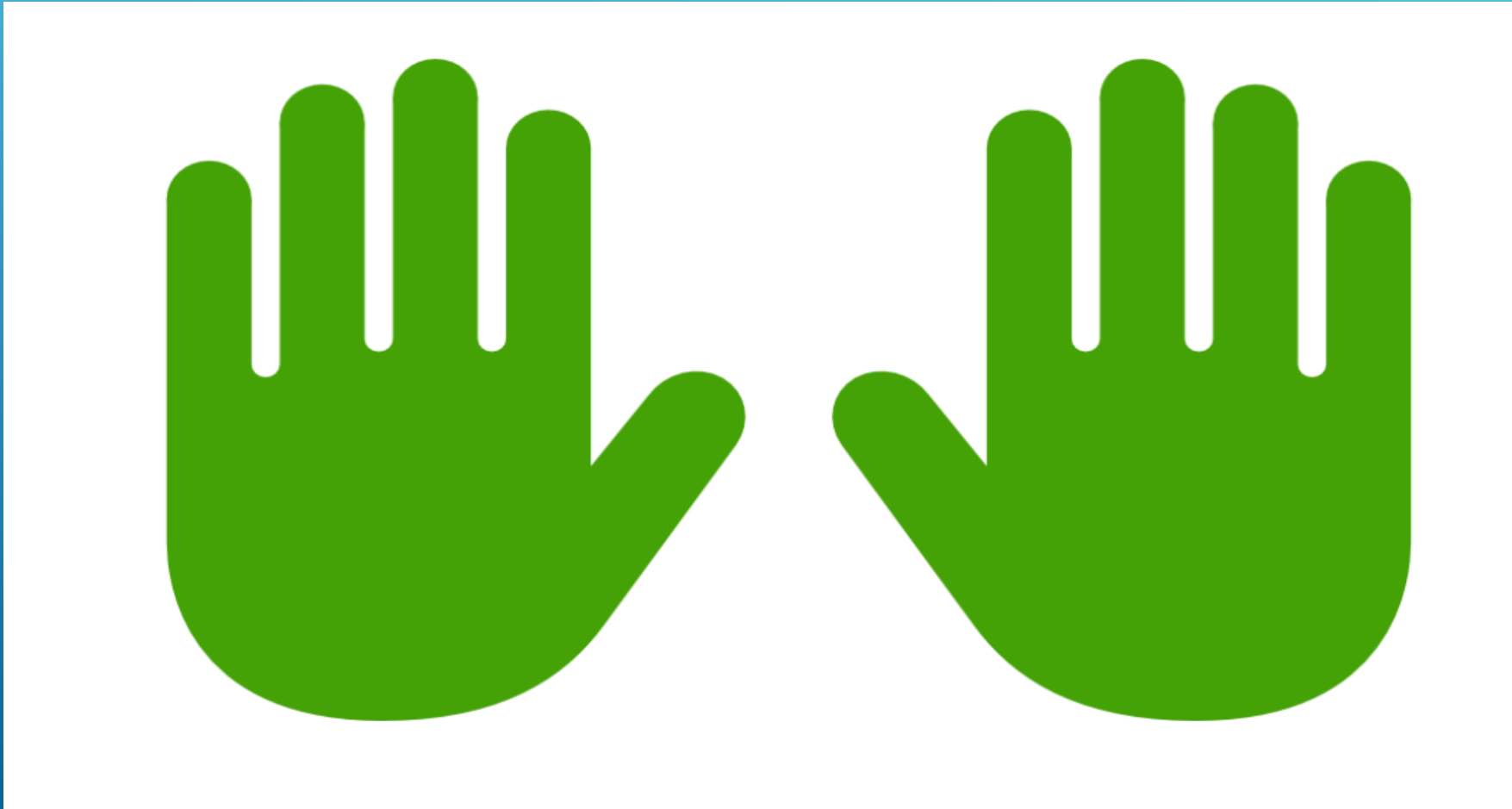
USER MANAGEMENT

FOLLOW THE PROMPTS ON THE MWC SCREEN



USER MANAGEMENT

WHEN COMPLETE YOU SHOULD HAVE TWO GREEN HANDS



FINAL RESOLUTION

ONE USER AUTHENTICATION MODE NEEDS TO BE CREATED

ONE USER POLICY NEED TO BE CREATED

USER POLICY IS ASSOCIATED WITH USER AUTHENTICATION MODE

USER PRESENTS THE MIFARE AND HAND

WEBSITE

Please visit our website,
service.morphotrak.com for
software, firmware, videos and
PDF'S