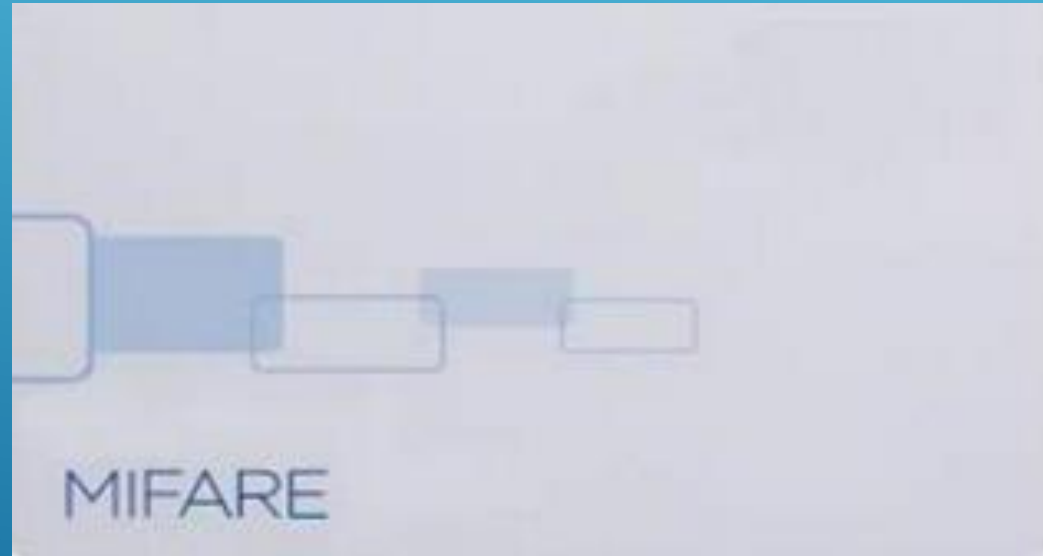


# TO READ MIFARE CSN



TO WORK WITH MULTI SIGMA/ SIGMA LITE/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 DEVICE AS THE EXAMPLE BELOW

 Operator

 Key Policy

 Biometric Device Profile

 Biometric Device

## Enter the details for this Biometric Device

Name:

Mifare reader

Description:

Location:

Asset ID:

Export Value:

Time Zone:

(UTC-08:00) Pacific Time (US & Canada)

Hardware Family:

MA Sigma, MA Sigma Lite, MA Sigma Lite+, MA Sigma Extreme, MA Sigma VP

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

Finish



# 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** A SIGMA/SIGMA LITE  
MULTI



**SIGMA MULTI**



**USB OMNIKEY 5022**

# 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:

Description:

Location:

**Click Next 3 Times**



# 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:

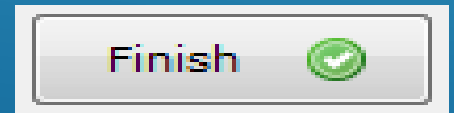
Morpho Smartcard encoding PC/SC device:

Morpho Smartcard encoding MorphoAccess:

**Keys**

Key Policy:

IF USING A OMNIKEY



# SEARCH FOR YOUR SIGMA 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:

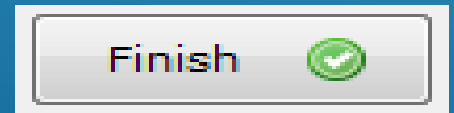
**Keys**

Key Policy:

DROP DOWN  
SELECTED  
MORPHOACCESS

SEARCH FOR THE  
READER

IF USING A SIGMA



# 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: ISO/IEC 14443 CSN 32 bit

Language: English

Realtime logging enabled:

**Biometric Threshold Settings**

Biometric Threshold: Recommended


MorphoAccess Vein Print Mode: Universal Fast

MorphoAccess Fingerprint Threshold: 3

Morpho 3D Face Identification Threshold: Medium

Morpho 3D Face Verification Threshold: Low



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"/>		

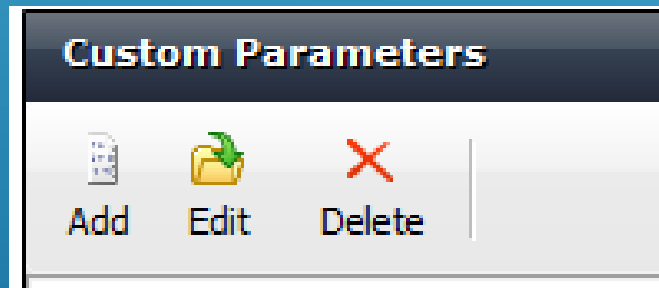


Next 

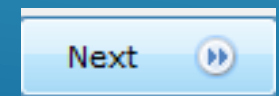
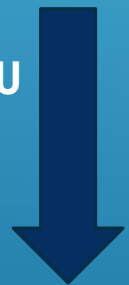
**SET THE MULTI-FACTOR MODE SETTINGS AS EXACTLY AS SHOWN**

# BIOMETRIC DEVICE PROFILE

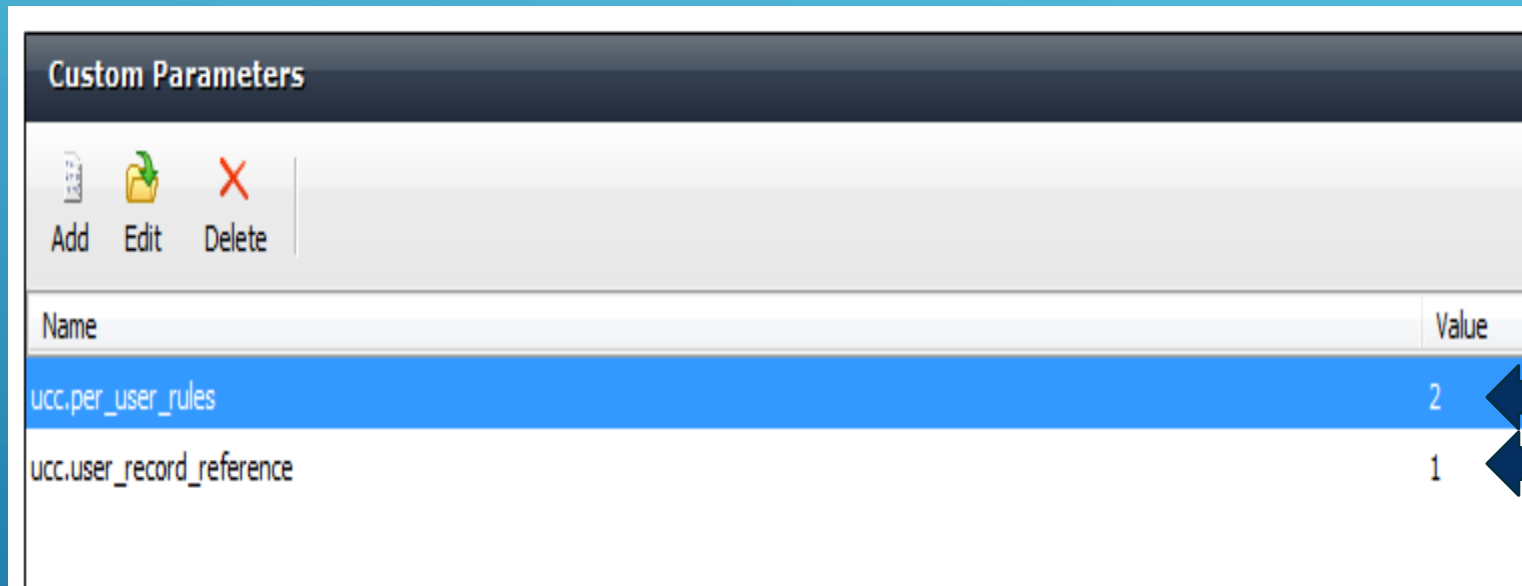
THERE IS NO CHANGES NEED TO TAKE PLACE IN THE BDP EXCEPT FOR CUSTOM PARAMETERS.



HIT NEXT SEVERAL TIMES TILL YOU GET TO CUSTOM PARAMETERS

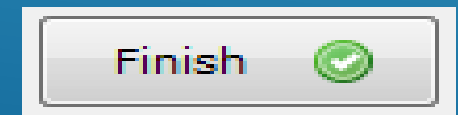


# BIOMETRIC DEVICE PROFILE



Name	Value
ucc.per_user_rules	2
ucc.user_record_reference	1

**ADD ONE PARAMETERS THIS IS CASE SENSITIVE\*\*\***  
**UCC.PER\_USER\_RULES VALUE OF 2**  
**UCC.USER\_RECORD\_REFERENCE OF 1**





THE NEXT STEPS IS TO CREATE ONE  
UAM AND ONE UP

THE **USER POLICY** DICTATES ON HOW  
THE USER WILL BE VERIFIED BUT A **USER  
AUTHENTICATION MODE** NEEDS TO BE  
CREATED FIRST FOR THAT POLICY

# USER AUTHENTICATION MODE

Path Administration>User Authentication Mode(s)

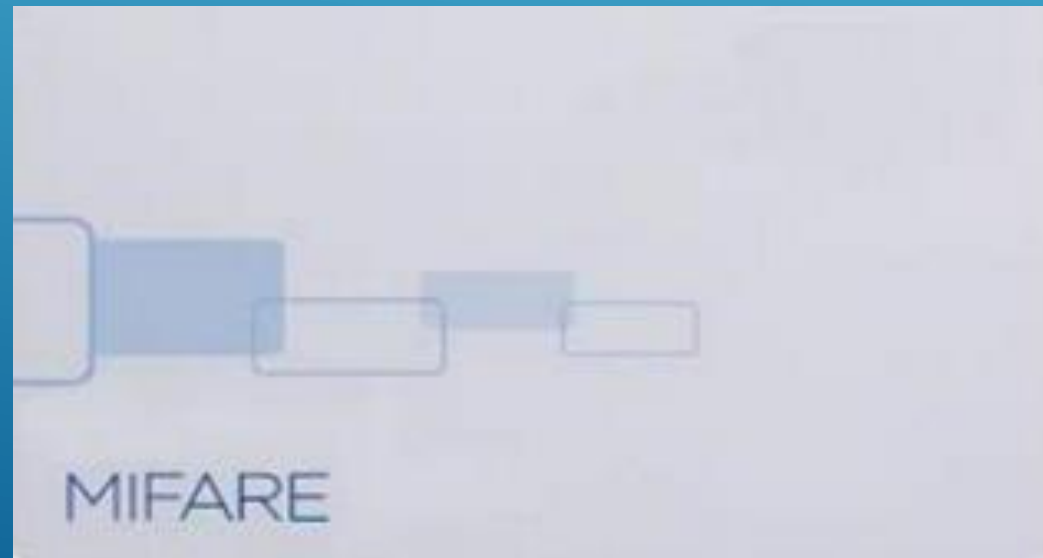


Create new User Authentication Mode(s)

User Authentication Mode(s) will set which authentication triggers will be utilized by users. The parameters are designated here and then a specific User Authentication Mode will be chosen as part of a User Policy. Users added to the system will have their authentication triggers governed by the User Authentication Mode portion of the User Policy they are placed in.

# USER AUTHENTICATION MODE

## UAM FOR MIFARE CSN



# USER AUTHENTICATION MODE

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


Enter details for this User Authentication Mode

Name:

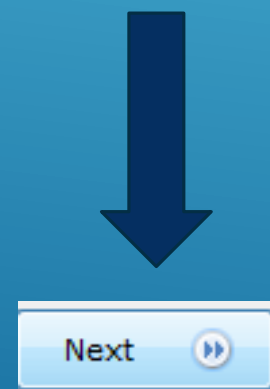
Description:

MA 100, MA J, MA 500, and MA VP Mode:

Morpho 3D Face Mode:

 Smartcard encoding will prefer the MA Sigma settings over MA 100, MA J, MA 500, and MA VP mode settings.

CREATE A NEW USER AUTHENTICATION MODE



# USER AUTHENTICATION MODE

MA Sigma, MA Sigma Lite, MA Sigma Lite+, MA Sigma Extreme, MA Sigma VP, MorphoWave Settings

Mode:  ←

Download Identifier To Device:

Encode To Smartcard Mode:

Template Location:

Pin Location:

Allow Start By Biometric:

Allow Start By Contactless Card:  ←

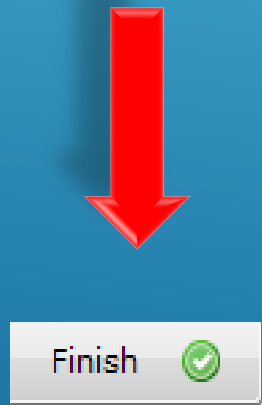
Allow Start By Keyboard:


Allow Start By Wiegand In:

Require Pin:

Require Template Match:

**FOLLOW THIS SETTINGS EXACTLY AS SHOWN**



Finish 

# 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

MIFARE CSN ONLY



# 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: Mifare CSN

Description:

Access Mode: All Biometric Devices and Clients

Allow MA 500 database selection during user enrollment

Access Schedule: 24 hours, 7 days a week

Extended User Details:  Display extended user details

Wiegand Profile: ISO/IEC 14443 CSN 32 bit

User Authentication Mode: Mifare CSN

Show Photo Capture Page:

Next

WIEGAND PROFILE WILL BE YOUR MIFARE CARD FORMAT  
USER AUTHENTICATION MODE IS THE ONE YOU CREATED EARLIER



# USER POLICY

CLICK NONE FOR FINGER BIOMETRICS


Enter the details for finger biometric options

Finger Biometric Enrollment Minimum Fingers:	<input type="text" value="None"/>
Preferred Finger One:	<input type="text" value="Left Index Finger"/>
Preferred Finger Two:	<input type="text" value="Right Index Finger"/>
Preferred Duress Finger:	<input type="text" value="Left Middle Finger"/>
Vein / Print Mode:	<input type="text" value="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

## NONE FOR WAVE ENROLLMENTS

Enter the details for wave biometric options

Wave Enrollment Minimum Hands:

None

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:

Enabled:

First Name:

Middle Name:

Last Name:

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



Next



POLICY MIFARE CSN

# USER MANAGEMENT

READ THE CSN BY USING EITHER A SIGMA OR OMNIKEY

Wiegand Values

Card Serial Number

2783915924

Read CSN



Finish



# FINAL RESOLUTION

ONE USER AUTHENTICATION NEED TO BE CREATED

ONE USER POLICY NEED TO BE CREATED

USER POLICY IS ASSOCIATED WITH USER AUTHENTICATION MODE

ONE USER FOR MIFARE CSN

# WEBSITE

Please visit our website,  
[service.morphotrak.com](http://service.morphotrak.com) for  
software, firmware, videos and  
PDF'S