



Glossary

Nymi Connected Worker Platform

v1.0

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Glossary

The following is a list of terms that are used in this guide.

Authentication Station

Name give to the computer where users access the Nymi Band Application to authenticate the Nymi Band by corporate credentials.

Note: You can use the Enrollment Terminal machine as an Authentication Station.

Authentication Task

An activity that a user completes in a Nymi-Enabled Application(NEA) with a tap of their authenticated Nymi Band.

Band ID

A value on the Nymi Band that uniquely identifies the Nymi Band through the Bluetooth interface.

The Band ID for a Nymi Band changes with each enrollment.

Alternate Terms: MAC Address, BLE MAC Address

Biometric Authentication

A process that uses unique biological characteristics of a person to reliably verify their identity.

Biometric Authentication

Note: The Nymi Band uses a fingerprint template to identify a person.

Bluetooth Tap

The action of tapping an authenticated Nymi Band on Bluetooth Adapter to transmit the Band ID.

Bluetooth Tap(BLE Tap)

BLE Tap

Bluetooth Adapter

A Nymi-supplied bluetooth device that supports Bluetooth communications. When a user taps their authenticated Nymi Band on the Bluetooth adapter (BLE Adapter), the Bluetooth adapter reads the Band ID of the Nymi Band, to identify the user that is associated with the Nymi Band.

Bluetooth adapter(BLE Adapter)

BLE Adapter

Alternate Terms: Bluetooth dongle, Bluegiga Adapter, BLED112 Bluetooth Low Energy Dongle

Bluetooth Range

Distance between an authenticated Nymi Band and a *Bluetooth adapter(BLE Adapter)* that is plugged into a user terminal, enrollment terminal, or authentication station.

When the distance between the Nymi Band and *BLE Adapter* allows continuous Bluetooth communications, the devices are "within range" of each other.

When the distance between the Nymi Band and *BLE Adapter* does not allow continuous Bluetooth communications, the devices are "out of range" of each other.

BLE Range

Configuration Specifications Document

Good Automated Manufacturing Practices(GAMP)-specific document that provides information about how to configure the Nymi solution to supports requirements that are defined in the *User Requirements Specifications(URS)* document.

Nymi provides the Configurations Specifications document.

Not all requirements in the *User Requirements Specifications Document* have a configuration specification.

Configuration Specifications(CS)

CS

Delete User Data

Operation that a user or administrator performs to remove the fingerprint template from the Nymi Band

Security wipe

Enrollment Terminal

Name give to the computer where users access the Nymi Band Application to perform an enrollment.

Enterprise Access Management

A solution that allows administrators to control user accesses to workstations and applications, and allows end-users to automate their accesses to applications by performing single sign-on (SSO).

The Evidian Enterprise Access Management(EAM) solution integrates with the Nymi Solution to provide SSO with aNymi Band tap.

Enterprise Access Management(EAM)

EAM

Fingerprint Template

A mathematical representation of unique fingerprint features for the finger that a user places on the Nymi Band during the enrollment process.

The Nymi Band stores the fingerprint template in a protected memory space inside the microcontroller unit (MCU).

The fingerprint template is not a fingerprint image and the Nymi Band does not retain original fingerprint images.

False Acceptance Rate

An authentication measurement. The rate at which the Nymi Band fingerprint sensor matches a fingerprint that the associated user did not supply to create the fingerprint template, and authentication succeeds.

False Acceptance Rate(FAR)

FAR

False Rejection Rate

An authentication measurement. The rate at which the Nymi Band fingerprint sensor rejects a fingerprint on the finger that the associated user used to create the fingerprint template, and authentication fails.

False Rejection Rate(FRR)

FRR

Functional Specifications Document

GAMP-specific document that provides information about the functionality in the Nymi solution that supports each requirement that is defined in the *User Requirements Specifications Document* document.

Nymi provides the Functional Specifications document.

Functional Specifications(FS)

FS

Good Automated Manufacturing Practices

Set of guidelines for industries that use automation to follow, to maintain operational efficiency and reliability.

Good Automated Manufacturing Practices(GAMP)

GAMP

Note: Nymi provides [sample GAMP templates](#) that support validation of the Nymi solution in a GAMP environment.

Information Technology / Operational Technology

The segmentation of information technology systems in one Active Directory(AD) domain with operational technology systems in another AD domain.

The Nymi Information Technology/Operational Technology(IT/OT) solution allows you to use a Nymi Band that was enrolled in the IT (or OT) domain in the OT (or IT) domain, when there is no trust relationship between domains.

Information Technology / Operational Technology(IT/OT)

IT/OT

Information Qualification

GAMP-specific document that defines test cases, test steps, and test results.

Customers perform the test cases in the Operational Qualification document to validate that the Nymi solution meets operations-specific requirements that are defined in the URS.

Information Qualification(IQ)

IQ

Intent

A deliberate act where a user taps their Nymi Band on an NFC or Bluetooth device to associates the results of an event or action with the identity of the user.

Nymi Band Tap

Manufacturing Execution System

Third-party tool that monitors and tracks various stages of the manufacturing processes.

Manufacturing Execution System(MES)

Note: When you integrate the Nymi SDK within a Manufacturing Execution System, the Manufacturing Execution System becomes a Nymi-enabled Application, which allows you to complete tasks within the system that require a username and Password with a Nymi Band tap.

MES

Near Field Communications UID

A value on the Nymi Band that uniquely identifies the Nymi Band through the Near Field Communication(NFC) interface.

During the enrollment process, Nymi Enterprise Server (NES) associates the NFC UID with the user that logs into the Nymi Band Application.

NFC devices can read the identifier on an authenticated Nymi Band.

Near Field Communications UID(NFC UID)

NFC UID

Near Field Communications Tap

The action of tapping an authenticated Nymi Band on an Near Field Communications(NFC) reader to transmit the NFC ID.

Near Field Communications Tap(NFC Tap)

NFC Tap

NFC Reader

A device that supports Near Field Communications (NFC). When a user taps their authenticated Nymi Band on an NFC reader, the NFC reader reads the NFC UID of the Nymi Band, to identify the user that is associated with the Nymi Band.

Nymi API

Set of APIs published by Nymi in the Nymi SDK (Nymi SDK) that Developers can use to create a Nymi-Enabled Application (NEA).

Nymi API(NAPI)

NAPI

Nymi Application

A component of the Nymi solution that supports Nymi Band taps on the Bluetooth adapter to complete authentication tasks in iOS Nymi-Enabled Application (NEA).

Nymi Agent

Component of the Nymi Runtime that provides an interface between Nymi Enterprise Server(Nymi Enterprise Server) and the Nymi Bluetooth Endpoint component.

Nymi Band

A biometric device that a user wears on their wrist and uses to perform authentication tasks.

Nymi Band

Nymi Band Application

Nymi-provided Windows application that allows users enroll a Nymi Band and authenticate to a Nymi Band with corporate credentials.

Nymi Band Application(NBA)

NBA

Nymi Bluetooth Endpoint

Component of the Nymi Runtime that provides an interface between the Bluetooth Adapter and the Nymi Agentcomponent.

Nymi Bluetooth Endpoint(NBE)

NBE

Nymi-Enabled Application

A native or web-based application that utilizes the Nymi API C Interface to integrate the Nymi Solution.

The Nymi Band Application and Nymi Lock Control are Nymi-Enabled Applications(NEAs). Other applications that can utilize the Nymi API C Interface to become an NEA

include Single Sign-On (SSO), Manufacturing Execution Systems (MES), and Physical Access Systems (PACS).

Nymi-Enabled Application(NEA)

[NEA](#)

Nymi Enterprise Server

Component of the Nymi Solution that you install on a Windows server that acts as a management server and collection of services. Nymi Enterprise Server (NES) coordinates communication between the Nymi Band and the customer identity ecosystem (Active Directory) to manage policies and certificates.

Nymi Enterprise Server(NES)

[NES](#)

Nymi Lock Control

Optional Nymi application that provides Windows login and unlock capabilities based on user presence.

Nymi Lock Control

Nymi Security Layer

Cross-platform library that provides security functions to the Nymi Band and Nymi API(Nymi API(NAPI, such as encryption and decryption, signing and signature verification, secure keystore, and message authentication.

Nymi Security Layer(NSL)

[NSL](#)

On-Body Detection

The ability of the Nymi Band to detect when it is worn on a human body, and any transitions on and off that body.

On-Body Sensors

The optical and capacitive sensors on the underside of the Nymi Band.

Operational Qualification Document

GAMP-specific document that defines test cases, test steps, and test results.

Customers perform the test cases in the Operational Qualification document to validate that the Nymi solution meets operations-specific requirements that are defined in the URS.

Operational Qualification(OQ)

OQ

Performance Qualification

GAMP-specific document that defines test cases, test steps, and test results.

Customers perform the test cases in the *Operational Qualification(OQ)* document to validate that the Nymi solution meets operations-specific requirements that are defined in the URS.

Performance Qualification(PS)

PQ

Presence Detection

A Nymi SDK and Nymi Lock Control feature that detects whether or not a Nymi Band is in Bluetooth range, and the authentication state of a Nymi Band.

Public-Key Cryptography Standards #11

Public-Key Cryptography Standard and the programming interface that the Nymi Solution uses to create and manipulate cryptographic tokens.

Public-Key Cryptography Standards #11(PKCS11)

PKCS11

Recovery Mode

A Nymi Band state where the firmware on the Nymi Band switches to recovery firmware.

Note: The recovery mode process also performs a delete user data operation. To downgrade the firmware version on a Nymi Band, you must first switch the Nymi Band to recovery mode.

Recovery Firmware

A limited feature-set version of standard Nymi Band firmware.

Note: Provides a fall-back mechanism or always known-good firmware on the Nymi Band in the event that the Nymi Band encounters problems with the standard firmware version. Nymi pre-loads recovery firmware on the Nymi Band that you cannot remove or change.

Thick Client

A user terminal that is physical machine and hosts an *Manufacturing Execution System(MES)* application.

Thin Client

A user terminal that connects to a centralized server, such as RDP or Citrix to access an *MES* application.

Alternate terms: Remote Client, Remote User Terminal, Citrix Client, RDP Client

Token Management Structure

An Evidian-supplied file that defines the meta-data of the authentication method that supports the use of the Nymi Band for Enterprise Single Sign On (eSSO).

Token Management Structure(TMS)

TMS

User Terminal

Name give to the computer that users access to complete authentication tasks in a Nymi-Enabled Application(NEA) with a Nymi Band tap.

User Requirements Specifications Document

GAMP-specific document that defines the requirements that the Nymi Solution must meet before a customer can deploy the Nymi Solution in a production environment.

User Requirements Specifications(URS)

URS

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