

## RELEASE NOTES

OnePA Payment Application  
Version 8.2



Table of Contents

Section	Page
<b>Contents</b>	
1. Introduction .....	3
1.1 Overview.....	3
1.2 Related Software for which this release has been verified .....	3
2. New Features.....	4
2.1 Partial Approval for Pre-Authorization .....	4
2.2 Tap to stop using contactless authentication.....	4
2.3 Cardholder (Contactless card) Identification with UID .....	4
3. Improvements .....	5
3.1 QR code for cardholders using dynamic data from ECR.....	5
3.2 Improved PIN Change for selected Fleet Cards .....	5
3.3 New Initial PIN Encryption Key Exchange.....	6
4. Defects Fixed .....	6
5. Known issues and limitations .....	7

## 1. Introduction

### 1.1 Overview

This release covers Lane/3000 (PCI PTS 5), Lane 5000 (PCI PTS 5 & 6) and Self/2000 (PCI PTS 5) payment terminal hardware running OnePA Payment Application. The version is PCI (Payment Card Industry) SSS (Software Security Standard) validated and compatible with all payment channels available for Nets OnePA supported hardware terminals.

#### New Features:

- Partial Approval for Payment Pre-Authorization
- Tap to Stop using Contactless Authentication
- Cardholder (Contactless card) Identification using Unique Identification number (UID)

#### Improvements:

- eReceipts and more for cardholders via QR Code
- Improved PIN Change for selected Fleet Cards
- New IPEK (Initial PIN Encryption Key) Exchange to meet compliance

Confidentiality Notice: The information contained in this document is confidential and intended solely for the recipient. It must not be used, published, or redistributed without prior written consent from Nets.

### 1.2 Related Software for which this release has been verified

Ingenico Tetra SDK	Version 14.4.1. Patch Kb171
EMV Contact kernel	Version 30.18.1.00
EMV Contactless kernel	Version 7.16.3.00
Baxi Agent	Version 1.8.3.1 & 1.8.2.0
Baxi Cloud (C@C)	Release version 2.0.6
ECR Integration	Baxi Interface via Ethernet & Cloud
MS-TMS	Release Version R24.04 (Application version 1.0.277.1)

Note: Customers and integrated are advised to test this version of Payment Application with their current version of Baxi Agent or update their Baxi Agent to the tested version as mentioned above

## 2. New Features

### 2.1 Partial Approval for Pre-Authorization

Pre-authorization is commonly used in various scenarios, such as when an electric vehicle (EV) owner is recharging their vehicle. It ensures that sufficient funds are available before the service is delivered. However, if the cardholder has fewer funds than requested by the vendor, the pre-authorization may fail, potentially resulting in a loss for the vendor if the customer decides to leave.

To improve conversion rates, OnePA now supports partial approval for pre-authorization. This means that the pre-authorization will return a success with the amount available in the cardholder's account, even if it is less than the requested amount. This allows the vendor to decide whether to proceed with the transaction based on the available funds.

### 2.2 Tap to stop using contactless authentication

Tap-to-Stop is used to stop an electric vehicle (EV) charging session more convenient and secure. After starting a session with a payment card using pre-authorization, the user can now simply tap the same card on the terminal to stop the charging. The system verifies that the card matches the original pre-authorization before allowing the session to end. If a different card is used, the authentication will fail, and the charging will continue.



By requiring the original card for stopping the session, only the authorized user can end the charging process, preventing unauthorized interruptions. Tap-to-Stop mirrors the simplicity of contactless payments, delivering a faster and more user-friendly experience at the charging station.

### 2.3 Cardholder (Contactless card) Identification with UID

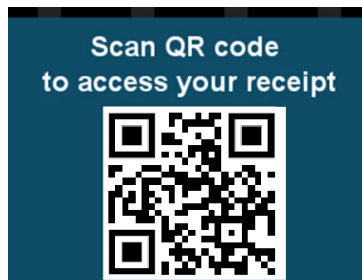
There are cases when we need to identify a cardholder for e.g when the s/he has checked at a parking lot. We are not supporting this using Unique Identification number (UID). Currently the feature is limited to ISO cards and will be expanded to other cards in the future.

## 3. Improvements

### 3.1 QR code for cardholders using dynamic data from ECR

Originally introduced in version 8.1 for the Self/2000 payment terminal, this feature allows cardholders to scan a QR code on the payment terminal screen for example to access their receipt digitally. However, it is not limited to the above use-case and ECR can invoke a command to show the QR code on the payment terminal any time.

- **Post-Transaction QR Code:** After an approved transaction, a QR code appears on the terminal's screen.
- **Digital Receipt Access:** Customers scan the QR code to retrieve their receipt.

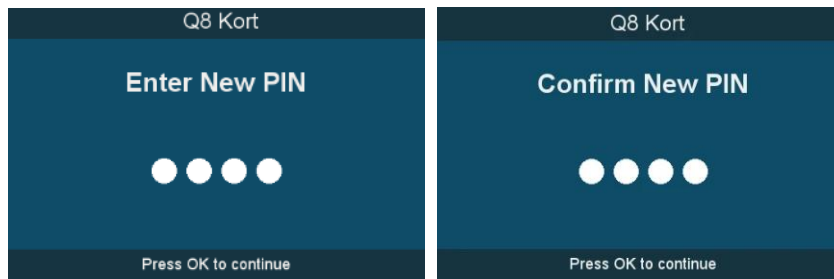


- **Follow me:** Customer can scan the QR to follow their charging session, for example.

Previously, users had to enter additional credentials via a URL. Now, the QR code contains all necessary information, providing direct access to the full receipt without extra steps. Currently the text of the screens is limited to eReceipt use-cases.

### 3.2 Improved PIN Change for selected Fleet Cards

Previously, fleet cardholders changing their PIN were only prompted to enter the new PIN once. This sometimes led to users forgetting their new PIN and needing to contact customer service for a reset, which could be time-consuming.



Now, when entering a new PIN, users are prompted to re-enter it for confirmation. This helps ensure they remember the new PIN, reducing the need for customer service assistance.

### 3.3 New Initial PIN Encryption Key Exchange

To comply with the latest PCI PIN requirements, a new process for Initial PIN Encryption Key (IPEK) Exchange is being introduced. This process enables terminals to securely fetch the Initial PIN Encryption Key.

## 4. Defects Fixed

- Resolved an issue where the terminal screen displayed "Connection error" after entering a correct PIN following an incorrect PIN entry.
- Fixed the issue where the Contactless LED light did not turn on the "Present Card" screen after a terminal reboot when the ECR initiated a purchase transaction.
- Addressed the problem where the payment application became unresponsive and could not be downgraded due to pending transactions in its memory.
- Corrected the retry counter not incrementing correctly in scenarios with a blocked technical reversal present in the terminal.
- Fixed the issue where the payment terminal declined CardInfo requests with response Z4 without presenting the card.
- Resolved the problem of the terminal returning incorrect Result and ResultData in LocalMode after a reboot.
- Fixed the issue where the terminal performed Y1 offline transactions even when online.
- Addressed the terminal entering a hang state while the ECR displayed "Terminal Ready" status multiple times.

- Fixed the issue where the terminal did not display the "Present Card" screen after a terminal reboot when the ECR initiated a purchase transaction.

## 5. Known issues and limitations

- In some cases, a failed technical reversal of an online authorization may result in a blocking transaction on the terminal (e.g., with Dankort), fixes for this issue are planned for upcoming releases
- Virtual keyboard support is not available for customer dialogue input