

RELEASE NOTES

# OnePA Payment Application

Version 8.2 Patch 1



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# 1. Introduction

## 1.1 Overview

This release covers Lane 3000, Lane 5000 and Self 2000 payment terminal hardware models 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-terminals.

### New Features:

- > MiFare Card UID Support for Unattended Terminals
- > Customer Input Support on Unattended Terminals
- > Static QR Code Display After Sales Completion
- > New EV Charging Prompts

### Technical Improvements:

- > Smarter Handling of Technical Reversals
- > Offline Reversals Disabled for Certain Transactions
- > Improved Network Failover (IP Switching)
- > Clearer On-Screen Messages During Network Retry
- > Enhanced Security and Key Management
- > Updated Card Identification for New Integrations

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

Ingenico Tetra SDK	Version 14.4.1.PatchKb171
EMV Contact kernel	Version 30.18.1.00
EMV Contactless kernel	Version 7.16.3.00
BAXI	Release version 1.9.1.0-1760
ECR Integration	Baxi Interface via Ethernet & Cloud

## 2. New Features

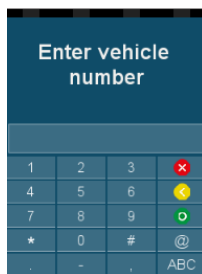
### 2.1 *MiFare Card UID Support for Unattended Terminals*

Unattended terminals can now read the Unique ID (UID) from MiFare cards and tags. This is especially useful for EV charging setups where card identification is needed without full card reading. Previously, terminals could only retrieve UIDs from standard payment cards, and support for MiFare cards and tags was not available. This update introduces support for several MiFare variants, significantly expanding compatibility

**NOTE:** This feature is not available on attended terminals

### 2.2 *Customer Input Support on Unattended Terminals*

Unattended terminals now support customer prompts during fleet transactions, allowing for smoother input and interaction.



This feature, previously available only on attended devices, is now extended to touchscreen terminals with virtual keyboards. It also supports alphanumeric input, enabling a wider range of customer interactions such as entering license plates, driver IDs, or other custom data.

### 2.3 *Static QR Code Display After Sales Completion*

When enabled via Nets TMS Backend, the terminal can now display a static QR code after a successful Sales Completion. This is especially useful in setups where the QR code points to a fixed URL provided by the ECR system. The update ensures backward compatibility with existing ECR integrations that rely on hardcoded QR links, even if the ECR provider hasn't yet adapted to newer dynamic QR workflows.

## 2.4 *New EV Charging Prompts*

New prompts have been added to support EV charging flows:

- › Select Charger
- › Enter Max Amount
- › Follow Charging

## 3. Improvements

### 3.1 *Smarter Handling of Technical Reversals*

Technical reversal is an automatic process where the terminal tries to cancel a transaction if it's unclear whether the payment was successfully authorized, often due to network issues or backend errors.

With this update, if a transaction gets stuck during real-time authorization (for example, if the terminal doesn't receive a clear response), the terminal will now attempt to reverse it up to two times. If those attempts fail, the terminal will stop retrying and clean up the reversal automatically. This prevents the terminal from getting stuck in a loop and helps ensure smoother operation without lingering or blocked transactions.

This logic is applicable only to dual-message transactions, where the authorization and settlement are handled as separate messages.

### 3.2 *Offline Reversals Disabled for Certain Transactions*

Offline reversals are now blocked for single-message transactions, where authorization and clearing are part of the same transaction. In these cases, performing a reversal offline could lead to inconsistencies, as the downstream systems may not accept or recognize the reversal. To prevent this, the terminal will now display a clear "*Reversal not possible*" message, ensuring that only valid and supported reversal scenarios are attempted.

### 3.3 *Improved Network Failover (IP Switching)*

If one network path fails, the terminal will now automatically retry using other available paths, helping keep transactions running smoothly.

### 3.4 Clearer On-Screen Messages During Network Retry

When a real-time transaction, such as an authorization or technical reversal, fails to go through on the first attempt, the terminal will now retry the operation (where permitted) using alternative network paths. During these retries, the terminal displays clear, contextual messages like “*Authorizing Retry 1*” to keep the user informed about what’s happening. This improves transparency and helps users understand that the system is actively working to complete the transaction.

### 3.5 Fixed Defects

Following defects have been fixed as part of this release:

- › **Missing RRN on Some Versions**  
Fixed an issue where the RRN (Reference Retrieval Number) was missing in some rare scenarios
- › **Terminal Blocked After Z3 Transaction (Technical Error)**  
Resolved a problem where the terminal could become unresponsive after a Z3 (Technical Error) transaction rejection
- › **Transaction Fails During Network Switch**  
Fixed a bug that caused transactions to fail when switching between network paths
- › **Dankort Cashback Reversal Issue**  
Corrected a processing error that caused reversal failures for Dankort cashback transactions
- › **Cardholder Language Not Displayed**  
Fixed an issue where prompts like “*Enter PIN*” were not shown in the cardholder’s language

## 4. Known issues and limitations

### › Intermittent Card Reading Issue with Some Fleet Cards

In rare cases, the terminal may have difficulty reading the full Track 2 data from certain fleet cards. The issue is difficult to reproduce consistently, and investigation is ongoing

### › Occasional Timestamp Errors with Fuel Card

In some rare scenarios, if the first transaction of the day involves a fleet card, the timestamp may be recorded incorrectly

### › Declines with Certain German Cards

Some German-issued cards are being declined unexpectedly. This is under investigation

