

RELEASE NOTES

OnePA Payment Application

Version 8.2 Patch 2



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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.

Technical Improvements:

- > Fixed an issue so terminals now switch servers correctly with technical reversal retries
- > Enhanced validation for POS-initiated product transfers

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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. Improvements

2.1 *Fixed an issue so terminals now switch servers correctly with technical reversal retries*

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.

We resolved an issue where terminals couldn't switch to alternate servers during technical reversal retries. Now, if a technical reversal fails, the terminal automatically switches to backup servers, improving redundancy and the reliability of real-time processing.

When authorization and advice are sent separately, the terminal attempts the technical reversal of the authorization up to three times before stopping. When authorization and advice are in the same message, the terminal continues retrying the reversal across all gateway servers until the record is successfully processed.

2.2 *Enhanced validation for POS-initiated product transfers*

We improved validation for product transfer commands sent from POS systems. If the product transfer commands won't follow the required data content, the transaction will be rejected with a "Format error," which will also be displayed on the ECR.

To avoid errors, POS systems must include valid product details.

Please note, that only the presence of product details is validated; the correctness of the product data itself is not yet verified.

3. Known issues and limitations

- › **Product Validation**

Currently, only the presence of product details is validated; the correctness of the product data itself is not yet verified. It is the responsibility of the POS to send accurate and validated product details as per the specifications.

- › **Handling of Technical Reversals – Single Message Transactions**

Error handling for single-message transaction types requires further optimization. Since the terminal cannot delete the record, it may continue attempting technical reversals in rare cases where the host cannot process the request. We are planning major improvements in upcoming releases to enhance the robustness of payment terminals in handling single-message errors and technical reversals.

- › **Card Reading Failures Leading to Unintended Behaviors**

Terminals may not reject incomplete magstripe card data as often as expected, causing unexpected behaviors in certain scenarios. This typically occurs when cards are worn or swiped incorrectly, resulting in partial Track 2 data. Additional validation checks will be implemented to ensure terminals reject incomplete magstripe card data more consistently, preventing these scenarios.