

RELEASE NOTES

OnePA Payment Application

Version 9.0 Patch 1



OnePA 9.0.1 Release Contents

1.	Introduction	3
1.1	Overview	3
1.2	Upgrading to OnePA 9.0.X – Important Version Requirement	3
1.3	Related Software for which this release has been verified	3
2.	Functional and Technical enhancements.....	4
2.1	Improved the transaction handling for No batch capture model.....	4
2.2	Offline PIN CVM Support for BankAxept (Norway Only)	4
2.3	EMV & Scheme Compliance Updates	4
2.4	Terminal Configuration enhancements	4
2.5	Transaction model enhancements	4
3.	Known issues	5
4.	Limitations:.....	5
5.	Abbreviations.....	5

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.

Software is applicable for distribution in Denmark, Finland, Norway and Sweden.

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1.2 Upgrading to OnePA 9.0.X – Important Version Requirement

Upgrading to OnePA 9.0.X introduces major application-level improvements. However, it is critically important that terminals are upgraded only from version 8.2.3, upgrades from any other version are not supported and may result in unexpected behaviour.

PLEASE NOTE The upgrade process from 8.2.3 to 9.0.X may take approximately 10 to 14 minutes due to SDK-level changes. Please ensure the terminal remains powered and connected throughout the upgrade.

1.3 Related Software for which this release has been verified

Ingenico Tetra SDK	Version 14.4.2.PatchFb66
EMV Contact kernel	Version 30.18.1.00
EMV Contactless kernel	Version 7.16.3.00
BAXI	Release version 1.9.3.0
ECR Integration	Baxi Interface via Ethernet & Cloud

2. Functional and Technical enhancements

2.1 *Improved the transaction handling for No batch capture model*

We've updated the message types sent to the backend when the no batch capture model is used. This clearly separates message type definitions for batch capture and no batch capture setups, enabling the backend to process transactions more efficiently. As a result, transaction handling toward the respective PSPs is simplified and overall processing complexity is reduced.

2.2 *Offline PIN CVM Support for BankAxept (Norway Only)*

We have introduced offline PIN CVM support for the BankAxept scheme in the Norway market. As part of this enhancement, the scheme has been re-certified, which required corresponding updates to the ICC data to meet certification and compliance requirements.

2.3 *EMV & Scheme Compliance Updates*

- We have updated few emv tags as part of EMV compliance improvements.
- Dankort BIN ranges have been updated in MSTMS to ensure accurate card recognition and routing.

2.4 *Terminal Configuration enhancements*

- We have corrected the terminal category send to backend for easy identification of which hardware is used.
- Card prompt messaging has been updated to "INSERT CARD" for screens where only chip cards are expected to be presented by the user.
- We have corrected the message sequence counter per transaction
- Updated RRN handling for linked transactions e.g. EV related transactions.

2.5 *Transaction model enhancements*

We have enhanced the retry mechanism for the batch capture model to better handle corner cases, ensuring failed transactions are retried appropriately in scenarios such as no backend response, local communication errors, or socket failures.

3. Known issues

- Check for Update may fail while background transaction sending is in progress.
- Navigation inconsistencies observed on Self2000 terminals.
- Pre-authorization reversals may not be auto-deleted in certain multi-response scenarios.
- UI overlap observed on Tap to Stop screen affecting text visibility mainly affecting Self2000 terminals.

4. Limitations:

- Upgrading the terminal while there are pending transactions (excluding Pre-Authorization) causes the terminal to enter a non-responsive (hang) state. If this condition occurs, the terminal cannot recover through normal operation and must be returned to the warehouse for further investigation and reprocessing.
- The new deployment with PCI PTS-5 hardware is not allowed with OnePA-9.0.1 release due to compliance constraint instead we can use PCI PTS-6 hardware for new deployment.
- Existing terminals on the field can be updated to 9.0.X.

5. Abbreviations

DA	Digital Asset
DUKPT	Derived Unique Key Per Transaction
ECR	Electric Cash Register
EV	Electric Vehicle
IFR	Issuer Forced Routing (Merchant Routing Preference)
LE	Low Energy
POS	Point of Sale
SDK	Software Development Kit
SSS	Payment Card Industry Software Security Standard
PCI-PTS	Payment Card Industry – Pin Transaction Security
RRN	Retrieval Reference Number

BIN	Bank Identification Number
ICC	Integrated Circuit Card
PSP	Payment Service Provider